

# LEGRAND SERVICES AND COMMITMENTS

## XL PRO<sup>3</sup> and XL PRO<sup>3</sup> Calcul software

The XL PRO<sup>3</sup> software is an upgraded version of your distribution panel design software: **revised interface, new DPX<sup>3</sup> and DX<sup>3</sup> ranges incorporated, HX<sup>3</sup> and VX<sup>3</sup> distribution accessible with a single click**, etc.

And it still includes all your functions:

- Guided selection of products and accessories
- Display of the enclosure and the component layout
- Automatic creation of the folder for costing and ordering

XL PRO<sup>3</sup> Calcul interfaces with XL PRO<sup>3</sup>.

It enables you to create single-line diagrams, carry out design calculations, work out the power analysis, and calculate the necessary protective devices with their settings.

To order the software, please contact your Legrand sales office.

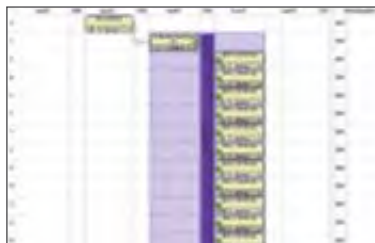


## XL PRO<sup>3</sup> EVEN MORE POWERFUL AND CLOSER TO YOUR REQUIREMENTS

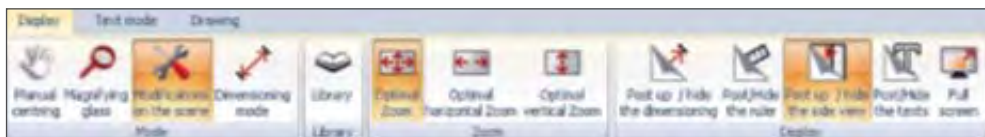
The new offer included in the databases



HX<sup>3</sup> and VX<sup>3</sup> distribution managed directly in the layout and circuit diagrams and the parts list



A re-designed interface for more intuitive use



## Environmental commitment

The Legrand Group prioritises materials and processes that respect people and the environment both on its industrial sites and in the design of its products. Through this approach, the Group reduces the impact of its activities while strengthening its economic performance and the appeal of its offers.

### THE PEP: A RECOGNISED, RELIABLE TOOL

The PEP is a tool that is used by the whole profession.

It gives a clear, accurate message.

The type of sheet shown below is the result of an overall process in the electrical industries.

It is based on standard ISO/TR 14025:

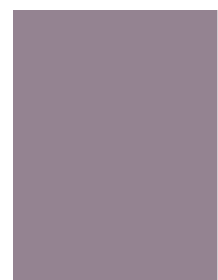
- Environmental labels and declarations
- Type III environmental declarations

It uses a recognised methodology and tools:

- Life cycle assessment (based on standard ISO 14040)
- EIME software (Environmental Information & Management Explorer).

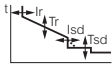


The PEP, an eco-declaration which is available as a printed document



# DPX<sup>3</sup>/DPX<sup>TM</sup>

## electrical characteristics

|                                                                                            |                                                                                                       |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|---------------------------------------------------------------------------------------------------------|---------|---------|----------|---------------------------------------------------------------------------------------------------------|-------|-------|-------|--|
|                                                                                            |                      |       |       |       |       |       |       |       |                      |         |         |          |                      |       |       |       |  |
| DEVICES                                                                                    | DPX³ 160<br>thermal magnetic<br>(p. 26-27)                                                            |       |       |       |       |       |       |       | DPX³ 250<br>thermal magnetic<br>(p. 28)                                                                 |         |         |          | DPX³ 250<br>electronic release<br>(p. 29)                                                               |       |       |       |  |
| Mounting                                                                                   | On rail  or on plate |       |       |       |       |       |       |       | On rail  or on plate |         |         |          | On rail  or on plate |       |       |       |  |
| Breaking capacity (kA)<br>(EN 60947-2 and IEC 60947-2)                                     | 16 kA                                                                                                 | 25 kA | 36 kA | 50 kA | 25 kA | 36 kA | 50 kA | 70 kA | 25 kA                                                                                                   | 36 kA   | 50 kA   | 70 kA    | 25 kA                                                                                                   | 36 kA | 50 kA | 70 kA |  |
| 380/415 V~                                                                                 | 16                                                                                                    | 25    | 36    | 50    | 25    | 36    | 50    | 70    | 25                                                                                                      | 36      | 50      | 70       | 25                                                                                                      | 36    | 50    | 70    |  |
| 220/240 V~                                                                                 | 25                                                                                                    | 35    | 50    | 65    | 40    | 60    | 100   | 100   | 40                                                                                                      | 60      | 100     | 100      | 40                                                                                                      | 60    | 100   | 100   |  |
| Breaking capacity (% Icu)                                                                  | 100                                                                                                   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 100                                                                                                     | 100     | 100     | 100      | 100                                                                                                     | 100   | 100   | 100   |  |
| Characteristic of use                                                                      |                                                                                                       |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
| Nominal frequency                                                                          | 50/60 Hz                                                                                              |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
| Maximum rated operating voltage Ue                                                         | 690 V (500 V with integrated e.l.c.bs)                                                                |       |       |       |       |       |       |       | 690 V (500 V with integrated e.l.c.bs)                                                                  |         |         |          | 690 V (500 V with integrated e.l.c.bs)                                                                  |       |       |       |  |
| Category of use                                                                            | A                                                                                                     |       |       |       |       |       |       |       | A                                                                                                       |         |         |          | A                                                                                                       |       |       |       |  |
| Thermal magnetic adjustment                                                                |                                                                                                       |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
|  Thermal | 0,8 to 1 In                                                                                           |       |       |       |       |       |       |       | 0,8 to 1 In                                                                                             |         |         |          | -                                                                                                       |       |       |       |  |
| Magnetic                                                                                   | 10 In (400 A for 16 A and 25 A sizes)                                                                 |       |       |       |       |       |       |       | 5 to 10 In                                                                                              |         |         |          | -                                                                                                       |       |       |       |  |
| Electronic protection adjustment                                                           |                                                                                                       |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
|         | -                                                                                                     |       |       |       |       |       |       |       | -                                                                                                       |         |         |          | <div>I<sub>r</sub> : 0,4 to 1 In<br/>I<sub>s</sub>d : 1,5 to 10 I<sub>r</sub></div>                     |       |       |       |  |
| Maximum cable cross-section                                                                |                                                                                                       |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
| Rigid cable                                                                                | 120 mm²                                                                                               |       |       |       |       |       |       |       | 185 mm²                                                                                                 |         |         |          | 185 mm²                                                                                                 |       |       |       |  |
| Flexible cable                                                                             | 95 mm²                                                                                                |       |       |       |       |       |       |       | 150 mm²                                                                                                 |         |         |          | 150 mm²                                                                                                 |       |       |       |  |
| Copper bar and lug width                                                                   | 18 mm                                                                                                 |       |       |       |       |       |       |       | 25 mm <sup>(1)</sup>                                                                                    |         |         |          | 25 mm <sup>(1)</sup>                                                                                    |       |       |       |  |
| Tightening torque                                                                          | 8 Nm                                                                                                  |       |       |       |       |       |       |       | 10 Nm                                                                                                   |         |         |          | 10 Nm                                                                                                   |       |       |       |  |
| Nominal current (In) at 40 °C (A)                                                          |                                                                                                       |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
| In (A)                                                                                     | 16                                                                                                    | 25    | 40    | 63    | 80    | 100   | 125   | 160   | 100                                                                                                     | 160     | 200     | 250      | 40                                                                                                      | 100   | 160   | 250   |  |
| Phase                                                                                      | 16                                                                                                    | 25    | 40    | 63    | 80    | 100   | 125   | 160   | 100                                                                                                     | 160     | 200     | 250      | 40                                                                                                      | 100   | 160   | 250   |  |
| N                                                                                          | 16                                                                                                    | 25    | 40    | 63    | 80    | 100   | 125   | 160   | 100                                                                                                     | 160     | 200     | 250      | 40                                                                                                      | 100   | 160   | 250   |  |
| N/2                                                                                        | -                                                                                                     | -     | -     | -     | -     | -     | -     | -     | -                                                                                                       | -       | -       | -        | -                                                                                                       | -     | -     | -     |  |
| Magnetic threshold (Im) (A) <sup>(2)</sup> of DPX thermal magnetic                         | Fixed                                                                                                 |       |       |       |       |       |       |       | Adjustable                                                                                              |         |         |          |                                                                                                         |       |       |       |  |
| In (A)                                                                                     | 16                                                                                                    | 25    | 40    | 63    | 80    | 100   | 125   | 160   | 100                                                                                                     | 160     | 200     | 250      | -                                                                                                       |       |       |       |  |
| Phase                                                                                      | 400                                                                                                   | 400   | 400   | 630   | 800   | 1000  | 1250  | 1600  | 125-250                                                                                                 | 200-400 | 315-630 | 500-1000 | -                                                                                                       |       |       |       |  |
| N                                                                                          | 400                                                                                                   | 400   | 400   | 630   | 800   | 1000  | 1250  | 1600  | 125-250                                                                                                 | 200-400 | 315-630 | 500-1000 | -                                                                                                       |       |       |       |  |
| N/2                                                                                        | -                                                                                                     | -     | -     | -     | -     | -     | -     | -     | -                                                                                                       | -       | -       | -        | -                                                                                                       |       |       |       |  |
| Endurance (cycles)                                                                         |                                                                                                       |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
| Electrical                                                                                 | 8000                                                                                                  |       |       |       |       |       |       |       | 8000                                                                                                    |         |         |          | 8000                                                                                                    |       |       |       |  |
| Mechanical                                                                                 | 25000                                                                                                 |       |       |       |       |       |       |       | 20000                                                                                                   |         |         |          | 20000                                                                                                   |       |       |       |  |
| Electronic earth leakage module                                                            |                                                                                                       |       |       |       |       |       |       |       |                                                                                                         |         |         |          |                                                                                                         |       |       |       |  |
| Type                                                                                       | without or integrated                                                                                 |       |       |       |       |       |       |       | without or integrated                                                                                   |         |         |          | without or integrated                                                                                   |       |       |       |  |

(1) Copper bars only

(2) Trip current for 50/60 Hz. For direct current, multiply by 1.5

|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
|-----------------------------------------------------------------------------------|-----------|------------|----------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------|-------------|-----------------------------------------------------------------------------------|-------------|-------------|----------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------|--------------|-------------------------------------------------------------------------------------|------|-------------------------------|----------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------|--|
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
|  |           |            |                      |            |                                                                                         |     |     |                      |             |  |             |             |                      |                                  |                                                                                        |     |     |                      |              |  |      |                               |                      |      |                                                                                       |  |  |                         |  |
| DPX 250<br>thermal magnetic<br>(p. 34-36)                                         |           |            |                      |            | DPX 250<br>electronic release<br>(p. 34-36)                                                                                                                              |     |     |                      |             | DPX 630<br>thermal magnetic<br>(p. 37-39)                                         |             |             |                      |                                  | DPX 630<br>electronic<br>release (p. 37-39)                                                                                                                              |     |     |                      |              | DPX 1250<br>thermal magnetic<br>(p. 40)                                             |      |                               |                      |      | DPX 1600<br>electronic release<br>(p. 40)                                                                                                                                |  |  |                         |  |
| On plate                                                                          |           |            |                      |            | On plate                                                                                                                                                                 |     |     |                      |             | On plate                                                                          |             |             |                      |                                  | On plate                                                                                                                                                                 |     |     |                      |              | On plate                                                                            |      |                               |                      |      | On plate                                                                                                                                                                 |  |  |                         |  |
| 36 kA                                                                             |           |            | 70 kA <sup>(3)</sup> |            | 36 kA                                                                                                                                                                    |     |     | 70 kA <sup>(3)</sup> |             | 36 kA                                                                             |             |             | 70 kA <sup>(3)</sup> |                                  | 36 kA                                                                                                                                                                    |     |     | 70 kA <sup>(3)</sup> |              | 36 kA                                                                               |      |                               | 70 kA <sup>(3)</sup> |      | 50 kA                                                                                                                                                                    |  |  | 70 kA <sup>(1)(3)</sup> |  |
| 36                                                                                |           |            | 70                   |            | 36                                                                                                                                                                       |     |     | 70                   |             | 36                                                                                |             |             | 70                   |                                  | 36                                                                                                                                                                       |     |     | 70                   |              | 50                                                                                  |      |                               | 70                   |      | 50                                                                                                                                                                       |  |  | 70                      |  |
| 60                                                                                |           |            | 100                  |            | 60                                                                                                                                                                       |     |     | 100                  |             | 60                                                                                |             |             | 100                  |                                  | 60                                                                                                                                                                       |     |     | 100                  |              | 80                                                                                  |      |                               | 100                  |      | 80                                                                                                                                                                       |  |  | 100                     |  |
| 100                                                                               |           |            | 75                   |            | 100                                                                                                                                                                      |     |     | 75                   |             | 100                                                                               |             |             | 75                   |                                  | 100                                                                                                                                                                      |     |     | 75                   |              | 100                                                                                 |      |                               | 75                   |      | 100                                                                                                                                                                      |  |  | 75                      |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      | 50/60 Hz                         |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| 690 V~ - 250 V=                                                                   |           |            |                      |            | 690 V~                                                                                                                                                                   |     |     |                      |             | 690 V~ - 250 V=                                                                   |             |             |                      |                                  | 690 V~                                                                                                                                                                   |     |     |                      |              | 690 V~                                                                              |      |                               |                      |      | 690 V~                                                                                                                                                                   |  |  |                         |  |
| A                                                                                 |           |            |                      |            | A                                                                                                                                                                        |     |     |                      |             | A                                                                                 |             |             |                      |                                  | A: In 630 A<br>B: In 200 to 400 A                                                                                                                                        |     |     |                      |              | A                                                                                   |      |                               |                      |      | B                                                                                                                                                                        |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| 0.64 to 1 In                                                                      |           |            |                      |            | -                                                                                                                                                                        |     |     |                      |             | 0.8 to 1 In                                                                       |             |             |                      |                                  | -                                                                                                                                                                        |     |     |                      |              | 0.8 to 1 In                                                                         |      |                               |                      |      | -                                                                                                                                                                        |  |  |                         |  |
| 3.5 to 10 In                                                                      |           |            |                      |            | -                                                                                                                                                                        |     |     |                      |             | 5 to 10 In                                                                        |             |             |                      |                                  | -                                                                                                                                                                        |     |     |                      |              | 5 to 10 In                                                                          |      |                               |                      |      | -                                                                                                                                                                        |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| -                                                                                 |           |            |                      |            | Ir: 0.4 to 1 In<br>Tr: 5 to 30 s<br>I <sub>sd</sub> : 1.5 to 10 I <sub>r</sub><br>T <sub>sd</sub> : 0 to 0.3 s<br>I <sub>Δt</sub> = K<br>T <sub>sd</sub> : 0.01 to 0.3 s |     |     |                      |             | -                                                                                 |             |             |                      |                                  | Ir: 0.4 to 1 In<br>Tr: 5 to 30 s<br>I <sub>sd</sub> : 1.5 to 10 I <sub>r</sub><br>T <sub>sd</sub> : 0 to 0.3 s<br>I <sub>Δt</sub> = K<br>T <sub>sd</sub> : 0.01 to 0.3 s |     |     |                      |              | -                                                                                   |      |                               |                      |      | Ir: 0.4 to 1 In<br>Tr: 5 to 30 s<br>I <sub>sd</sub> : 1.5 to 10 I <sub>r</sub><br>T <sub>sd</sub> : 0 to 0.3 s<br>I <sub>Δt</sub> = K<br>T <sub>sd</sub> : 0.01 to 0.3 s |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| 185 mm <sup>2</sup>                                                               |           |            |                      |            | 185 mm <sup>2</sup>                                                                                                                                                      |     |     |                      |             | 300 mm <sup>2</sup> or<br>2 x 240 mm <sup>2</sup>                                 |             |             |                      |                                  | 300 mm <sup>2</sup> or<br>2 x 240 mm <sup>2</sup>                                                                                                                        |     |     |                      |              | 2 or 4 x 240 mm <sup>2</sup>                                                        |      |                               |                      |      | 2 or 4 x 240 mm <sup>2</sup>                                                                                                                                             |  |  |                         |  |
| 150 mm <sup>2</sup>                                                               |           |            |                      |            | 150 mm <sup>2</sup>                                                                                                                                                      |     |     |                      |             | 240 mm <sup>2</sup> or<br>2 x 185 mm <sup>2</sup>                                 |             |             |                      |                                  | 240 mm <sup>2</sup> or<br>2 x 185 mm <sup>2</sup>                                                                                                                        |     |     |                      |              | 2 or 4 x 185 mm <sup>2</sup>                                                        |      |                               |                      |      | 2 or 4 x 185 mm <sup>2</sup>                                                                                                                                             |  |  |                         |  |
| 25 mm                                                                             |           |            |                      |            | 25 mm                                                                                                                                                                    |     |     |                      |             | 32 mm                                                                             |             |             |                      |                                  | 32 mm                                                                                                                                                                    |     |     |                      |              | 50 mm                                                                               |      |                               |                      |      | 50 mm                                                                                                                                                                    |  |  |                         |  |
| 15 Nm                                                                             |           |            |                      |            | 15 Nm                                                                                                                                                                    |     |     |                      |             | 15 Nm                                                                             |             |             |                      |                                  | 15 Nm                                                                                                                                                                    |     |     |                      |              | 20 Nm                                                                               |      |                               |                      |      | 20 Nm                                                                                                                                                                    |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| 40                                                                                | 63        | 100        | 160                  | 250        | 40                                                                                                                                                                       | 100 | 160 | 250                  | 250         | 320                                                                               | 400         | 500         | 630                  | 250                              | 400                                                                                                                                                                      | 630 | 630 | 800                  | 1000         | 1250                                                                                | 630  | 800                           | 1250                 | 1600 |                                                                                                                                                                          |  |  |                         |  |
| 40                                                                                | 63        | 100        | 160                  | 250        | 40                                                                                                                                                                       | 100 | 160 | 250                  | 250         | 320                                                                               | 400         | 500         | 630                  | 250                              | 400                                                                                                                                                                      | 630 | 630 | 800                  | 1000         | 1250                                                                                | 630  | 800                           | 1250                 | 1600 |                                                                                                                                                                          |  |  |                         |  |
| 40                                                                                | 63        | 100        | 160                  | 250        | 0 - 50 - 100 % of phase value                                                                                                                                            |     |     |                      | 250         | 320                                                                               | 400         | 500         | 630                  | 0 - 50 - 100 %<br>of phase value |                                                                                                                                                                          |     |     | 630                  | 800          | 1000                                                                                | 1250 | 0 - 50 - 100 % of phase value |                      |      |                                                                                                                                                                          |  |  |                         |  |
| -                                                                                 | -         | -          | 100                  | 160        |                                                                                                                                                                          |     |     |                      | -           | 250                                                                               | 250         | 250         | 320                  |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      | Adjustable                       |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| 40                                                                                | 63        | 100        | 160                  | 250        | -                                                                                                                                                                        |     |     |                      | 250         | 320                                                                               | 400         | 500         | 630                  | -                                |                                                                                                                                                                          |     |     | 800                  | 1000         | 1250                                                                                | -    |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| 140 - 400                                                                         | 220 - 630 | 350 - 1000 | 560 - 1600           | 900 - 2500 | -                                                                                                                                                                        |     |     |                      | 1250 - 2500 | 1600 - 3200                                                                       | 2000 - 4000 | 2500 - 5000 | 3150 - 6300          | -                                |                                                                                                                                                                          |     |     | 4000 - 8000          | 5000 - 10000 | 6250 - 12500                                                                        | -    |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| 140 - 400                                                                         | 220 - 630 | 350 - 1000 | 560 - 1600           | 900 - 2500 | -                                                                                                                                                                        |     |     |                      | 1250 - 2500 | 1600 - 3200                                                                       | 2000 - 4000 | 2500 - 5000 | 3150 - 6300          | -                                |                                                                                                                                                                          |     |     |                      |              |                                                                                     | -    |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| -                                                                                 | -         | -          | 350 - 1000           | 560 - 1600 | -                                                                                                                                                                        |     |     |                      | 800 - 1600  | 1000 - 2000                                                                       | 1250 - 2500 | 1600 - 2000 | 2000 - 4000          | -                                |                                                                                                                                                                          |     |     |                      |              |                                                                                     | -    |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| 8000                                                                              |           |            |                      |            | 8000                                                                                                                                                                     |     |     |                      |             | 5000                                                                              |             |             |                      |                                  | 5000                                                                                                                                                                     |     |     |                      |              | 3000                                                                                |      |                               |                      |      | 2000                                                                                                                                                                     |  |  |                         |  |
| 20000                                                                             |           |            |                      |            | 20000                                                                                                                                                                    |     |     |                      |             | 15000                                                                             |             |             |                      |                                  | 15000                                                                                                                                                                    |     |     |                      |              | 10000                                                                               |      |                               |                      |      | 10000                                                                                                                                                                    |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |
| downstream e.l.c.bs.                                                              |           |            |                      |            | downstream e.l.c.bs.                                                                                                                                                     |     |     |                      |             | downstream e.l.c.bs.                                                              |             |             |                      |                                  | downstream e.l.c.bs.                                                                                                                                                     |     |     |                      |              | -                                                                                   |      |                               |                      |      | -                                                                                                                                                                        |  |  |                         |  |
|                                                                                   |           |            |                      |            |                                                                                                                                                                          |     |     |                      |             |                                                                                   |             |             |                      |                                  |                                                                                                                                                                          |     |     |                      |              |                                                                                     |      |                               |                      |      |                                                                                                                                                                          |  |  |                         |  |

## DPX<sup>3</sup> 160 thermal magnetic

### MCCBs from 16 to 160 A



420 000



420 010



420 037



420 157



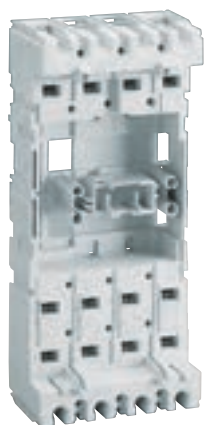
Technical characteristics and tripping curves (p. 60-62)  
Dimensions (p. 54)

Can be mounted on rail or on plate in XL<sup>3</sup> cabinets and enclosures  
MCCBs for switching, control isolation and protection of low voltage electrical lines  
Supplied with cage terminals 70 mm<sup>2</sup> max. (flexible cable) or 95 mm<sup>2</sup> max. rigid cable with accessories  
Can be fitted with accessories and DPX<sup>3</sup> common auxiliaires (p. 32)  
Conform to IEC 60947-2

| Pack | Cat.Nos |         | <b>MCCBs - fixed version</b>                                                                         |
|------|---------|---------|------------------------------------------------------------------------------------------------------|
|      |         |         | Thermal adjustable from 0,8 to 1 In<br>Magnetic fixed at 10 In (fixed at 400 A for In 16 A and 25 A) |
|      |         |         | <b>Breaking capacity Icu 16 kA (400 V<sub>~</sub>)</b>                                               |
|      | 3P      | 4P      | In (A)                                                                                               |
| 1    | 420 000 | 420 010 | 16                                                                                                   |
| 1    | 420 001 | 420 011 | 25                                                                                                   |
| 1    | 420 002 | 420 012 | 40                                                                                                   |
| 1    | 420 003 | 420 013 | 63                                                                                                   |
| 1    | 420 004 | 420 014 | 80                                                                                                   |
| 1    | 420 005 | 420 015 | 100                                                                                                  |
| 1    | 420 006 | 420 016 | 125                                                                                                  |
| 1    | 420 007 | 420 017 | 160                                                                                                  |
|      |         |         | <b>Breaking capacity Icu 25 kA (400 V<sub>~</sub>)</b>                                               |
| 1    | 420 040 | 420 050 | 16                                                                                                   |
| 1    | 420 041 | 420 051 | 25                                                                                                   |
| 1    | 420 042 | 420 052 | 40                                                                                                   |
| 1    | 420 043 | 420 053 | 63                                                                                                   |
| 1    | 420 044 | 420 054 | 80                                                                                                   |
| 1    | 420 045 | 420 055 | 100                                                                                                  |
| 1    | 420 046 | 420 056 | 125                                                                                                  |
| 1    | 420 047 | 420 057 | 160                                                                                                  |
|      |         |         | <b>Breaking capacity Icu 36 kA (400 V<sub>~</sub>)</b>                                               |
| 1    | 420 080 | 420 090 | 16                                                                                                   |
| 1    | 420 081 | 420 091 | 25                                                                                                   |
| 1    | 420 082 | 420 092 | 40                                                                                                   |
| 1    | 420 083 | 420 093 | 63                                                                                                   |
| 1    | 420 084 | 420 094 | 80                                                                                                   |
| 1    | 420 085 | 420 095 | 100                                                                                                  |
| 1    | 420 086 | 420 096 | 125                                                                                                  |
| 1    | 420 087 | 420 097 | 160                                                                                                  |
|      |         |         | <b>Breaking capacity Icu 50 kA (400 V<sub>~</sub>)</b>                                               |
| 1    | 420 120 | 420 130 | 16                                                                                                   |
| 1    | 420 121 | 420 131 | 25                                                                                                   |
| 1    | 420 122 | 420 132 | 40                                                                                                   |
| 1    | 420 123 | 420 133 | 63                                                                                                   |
| 1    | 420 124 | 420 134 | 80                                                                                                   |
| 1    | 420 125 | 420 135 | 100                                                                                                  |
| 1    | 420 126 | 420 136 | 125                                                                                                  |
| 1    | 420 127 | 420 137 | 160                                                                                                  |

| Pack | Cat.Nos |    | <b>MCCBs with electronic earth leakage module - fixed version</b>                                                                                                          |
|------|---------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |    | Thermal adjustable from 0,8 to 1 In<br>Magnetic fixed at 10 In (fixed at 400 A for In 16 A and 25 A)                                                                       |
|      |         |    | Equipped with earth leakage module with LCD screen<br>Adjustable sensitivity: 0.03 - 0.3 - 1 - 3 A<br>Adjustable tripping: 0 - 0.3 - 1 - 3s (with 0.03 A possible only 0s) |
|      |         |    | <b>Breaking capacity Icu 16 kA (400 V<sub>~</sub>)</b>                                                                                                                     |
|      |         | 4P | In (A)                                                                                                                                                                     |
| 1    | 420 030 |    | 16                                                                                                                                                                         |
| 1    | 420 031 |    | 25                                                                                                                                                                         |
| 1    | 420 032 |    | 40                                                                                                                                                                         |
| 1    | 420 033 |    | 63                                                                                                                                                                         |
| 1    | 420 034 |    | 80                                                                                                                                                                         |
| 1    | 420 035 |    | 100                                                                                                                                                                        |
| 1    | 420 036 |    | 125                                                                                                                                                                        |
| 1    | 420 037 |    | 160                                                                                                                                                                        |
|      |         |    | <b>Breaking capacity Icu 25 kA (400 V<sub>~</sub>)</b>                                                                                                                     |
| 1    | 420 070 |    | 16                                                                                                                                                                         |
| 1    | 420 071 |    | 25                                                                                                                                                                         |
| 1    | 420 072 |    | 40                                                                                                                                                                         |
| 1    | 420 073 |    | 63                                                                                                                                                                         |
| 1    | 420 074 |    | 80                                                                                                                                                                         |
| 1    | 420 075 |    | 100                                                                                                                                                                        |
| 1    | 420 076 |    | 125                                                                                                                                                                        |
| 1    | 420 077 |    | 160                                                                                                                                                                        |
|      |         |    | <b>Breaking capacity Icu 36 kA (400 V<sub>~</sub>)</b>                                                                                                                     |
| 1    | 420 110 |    | 16                                                                                                                                                                         |
| 1    | 420 111 |    | 25                                                                                                                                                                         |
| 1    | 420 112 |    | 40                                                                                                                                                                         |
| 1    | 420 113 |    | 63                                                                                                                                                                         |
| 1    | 420 114 |    | 80                                                                                                                                                                         |
| 1    | 420 115 |    | 100                                                                                                                                                                        |
| 1    | 420 116 |    | 125                                                                                                                                                                        |
| 1    | 420 117 |    | 160                                                                                                                                                                        |
|      |         |    | <b>Breaking capacity Icu 50 kA (400 V<sub>~</sub>)</b>                                                                                                                     |
| 1    | 420 150 |    | 16                                                                                                                                                                         |
| 1    | 420 151 |    | 25                                                                                                                                                                         |
| 1    | 420 152 |    | 40                                                                                                                                                                         |
| 1    | 420 153 |    | 63                                                                                                                                                                         |
| 1    | 420 154 |    | 80                                                                                                                                                                         |
| 1    | 420 155 |    | 100                                                                                                                                                                        |
| 1    | 420 156 |    | 125                                                                                                                                                                        |
| 1    | 420 157 |    | 160                                                                                                                                                                        |

## DPX<sup>3</sup> 160 equipment and mounting accessories



421 040



421 036

| Pack | Cat.Nos |
|------|---------|
| 1    | 421 040 |
| 1    | 421 041 |
| 1    | 421 044 |
| 1    | 421 045 |
| 1    | 421 046 |
| 1    | 421 047 |

### Equipment for plug-in version

A plug-in version DPX<sup>3</sup> is a fixed version DPX<sup>3</sup> mounted on a plug-in base

#### Plug-in bases for DPX<sup>3</sup> 160

Front or rear terminal mounting base

For DPX<sup>3</sup> 160 - 3P

For DPX<sup>3</sup> 160 - 4P with or without earth leakage module

#### Connectors for auxiliary contacts

Set of connectors

#### Padlocks for plug-in base

Ronis locking accessory

Profalux locking accessory

Padlock accessory

### Connection accessories

#### Cage terminals

For Cu/Al cables, 1 x 95 mm<sup>2</sup> for flexible cables and 1 x 120 mm<sup>2</sup> for rigid cable and bars or lugs 18 mm

1 421 026

1 421 027

Set of 3 terminals

Set of 4 terminals

#### Insulated shields

Set of 3 insulated shields

#### Extended front terminals

For copper bars

1 421 028

1 421 029

Set of 3 terminals

Set of 4 terminals

#### Spreaders

For incoming bars or cable lugs

1 421 032

1 421 033

Set of 3 spreaders for DPX<sup>3</sup> 160 3P

Set of 4 spreaders for DPX<sup>3</sup> 160 4P

#### Rear terminals

Flat swivel terminals

Used to convert a fixed version with front terminals to a fixed version with rear terminals

1 421 036

1 421 037

Set of 3 rear terminals for DPX<sup>3</sup> 160 3P

Set of 4 rear terminals for DPX<sup>3</sup> 160 4P

#### Sealable terminal shields

For front terminals

1 421 054

1 421 055

For DPX<sup>3</sup> 160 3P

For DPX<sup>3</sup> 160 3P

#### For rear terminals

For DPX<sup>3</sup> 160 3P

1 421 050

1 421 051

For DPX<sup>3</sup> 160 4P

#### Fixing plates

For fixing DPX<sup>3</sup> 160 on rail or on plate

For DPX<sup>3</sup> 160 3P/4P without earth leakage module

For DPX<sup>3</sup> 160 4P with earth leakage module

For DPX<sup>3</sup> 160 3P/4P with side mounting motor operator

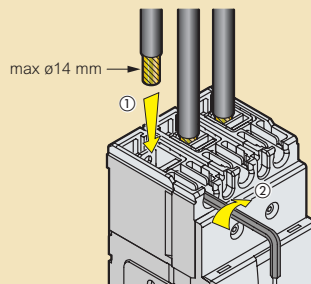
**XL<sup>3</sup> mounting accessories** (p. 46-53)

**Accessories** (p. 32)

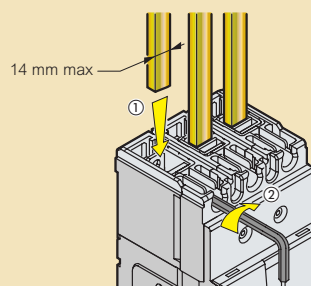
## DPX<sup>3</sup> 160 connection

### ■ Connection

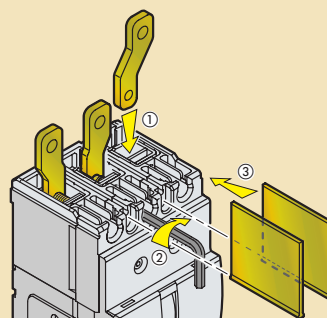
#### Direct connection



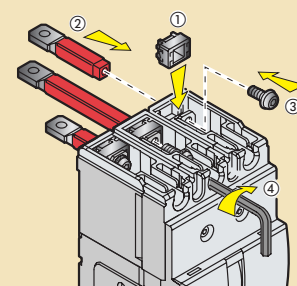
|                 |                      |
|-----------------|----------------------|
| <b>Flexible</b> |                      |
| 1,5             | → 70 mm <sup>2</sup> |
| #16             | → #2/0 AWG           |
| or              |                      |
| <b>Solid</b>    |                      |
| 1,5             | → 95 mm <sup>2</sup> |
| #16             | → #4/0 AWG           |



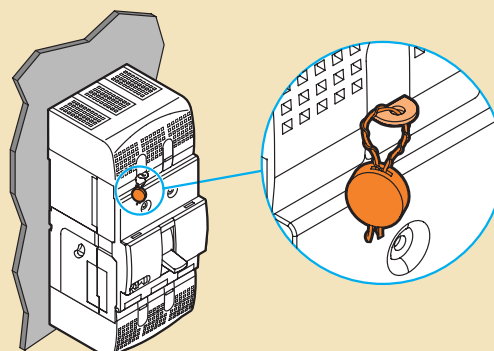
#### Spreaders



#### Rear terminals



#### Sealable terminal shield



## DPX<sup>3</sup> 250 thermal magnetic

### MCCBs from 100 to 250 A



420 205



420 225



Technical characteristics and tripping curves (p. 60-62)

Dimensions (p. 55)

Can be mounted on rail 15 or on plate in XL<sup>3</sup> cabinets and enclosures

MCCBs for switching, control isolation and protection of low voltage electrical lines

Supplied with insulated shIELDS, screw terminals 120 mm<sup>2</sup> max. (flexible cable) or 150 mm<sup>2</sup> max. rigid cable with accessories

Can be fitted with accessories and DPX<sup>3</sup> common auxiliaires (p. 32)

Conform to IEC 60947-2

| Pack | Cat.Nos |         | <b>MCCBs - fixed version</b>                |  |
|------|---------|---------|---------------------------------------------|--|
|      |         |         | Thermal adjustable from 0,8 to 1 In         |  |
|      |         |         | Magnetic adjustable from 5 to 10 In         |  |
|      |         |         | <b>Breaking capacity Icu 25 kA (400 V~)</b> |  |
|      | 3P      | 4P      | In (A)                                      |  |
| 1    | 420 205 | 420 215 | 100                                         |  |
| 1    | 420 207 | 420 217 | 160                                         |  |
| 1    | 420 208 | 420 218 | 200                                         |  |
| 1    | 420 209 | 420 219 | 250                                         |  |
|      |         |         | <b>Breaking capacity Icu 36 kA (400 V~)</b> |  |
| 1    | 420 235 | 420 245 | 100                                         |  |
| 1    | 420 237 | 420 247 | 160                                         |  |
| 1    | 420 238 | 420 248 | 200                                         |  |
| 1    | 420 239 | 420 249 | 250                                         |  |
|      |         |         | <b>Breaking capacity Icu 50 kA (400 V~)</b> |  |
| 1    | 420 265 | 420 275 | 100                                         |  |
| 1    | 420 267 | 420 277 | 160                                         |  |
| 1    | 420 268 | 420 278 | 200                                         |  |
| 1    | 420 269 | 420 279 | 250                                         |  |
|      |         |         | <b>Breaking capacity Icu 70 kA (400 V~)</b> |  |
| 1    | 420 605 | 420 615 | 100                                         |  |
| 1    | 420 607 | 420 617 | 160                                         |  |
| 1    | 420 608 | 420 618 | 200                                         |  |
| 1    | 420 609 | 420 619 | 250                                         |  |

| Pack | Cat.Nos |        | <b>MCCBs with electronic earth leakage module - fixed version</b>    |  |
|------|---------|--------|----------------------------------------------------------------------|--|
|      |         |        | Thermal adjustable from 0,8 to 1 In                                  |  |
|      |         |        | Magnetic adjustable from 5 to 10 In                                  |  |
|      |         |        | Equipped with earth leakage module with LCD screen                   |  |
|      |         |        | Adjustable sensitivity: 0.03 - 0.3 - 1 - 3 A                         |  |
|      |         |        | Adjustable tripping: 0 - 0.3 - 1 - 3s (with 0.03 A possible only 0s) |  |
|      |         |        | <b>Breaking capacity Icu 25 kA (400 V~)</b>                          |  |
|      | 4P      | In (A) |                                                                      |  |
| 1    | 420 225 | 100    |                                                                      |  |
| 1    | 420 227 | 160    |                                                                      |  |
| 1    | 420 228 | 200    |                                                                      |  |
| 1    | 420 229 | 250    |                                                                      |  |
|      |         |        | <b>Breaking capacity Icu 36 kA (400 V~)</b>                          |  |
| 1    | 420 255 | 100    |                                                                      |  |
| 1    | 420 257 | 160    |                                                                      |  |
| 1    | 420 258 | 200    |                                                                      |  |
| 1    | 420 259 | 250    |                                                                      |  |
|      |         |        | <b>Breaking capacity Icu 50 kA (400 V~)</b>                          |  |
| 1    | 420 285 | 100    |                                                                      |  |
| 1    | 420 287 | 160    |                                                                      |  |
| 1    | 420 288 | 200    |                                                                      |  |
| 1    | 420 289 | 250    |                                                                      |  |
|      |         |        | <b>Breaking capacity Icu 70 kA (400 V~)</b>                          |  |
| 1    | 420 625 | 100    |                                                                      |  |
| 1    | 420 627 | 160    |                                                                      |  |
| 1    | 420 628 | 200    |                                                                      |  |
| 1    | 420 629 | 250    |                                                                      |  |

## DPX<sup>3</sup> 250 electronic release

MCCBs from 40 to 250 A



420 369



420 325



Technical characteristics and tripping curves (p. 60-62)

Dimensions (p. 55)

Can be mounted on rail or on plate in XL<sup>3</sup> cabinets and enclosures

MCCBs for switching, control isolation and protection of low voltage electrical lines

Supplied with insulated shileds, screw terminals 120 mm<sup>2</sup> max. (flexible cable) or 150 mm<sup>2</sup> max. rigid cable with accessories

Can be fitted with accessories and DPX<sup>3</sup> common auxiliaires (p. 32)

Conform to IEC 60947-2

| Pack | Cat.Nos |         | MCCBs - fixed version                                                                                                                                                                                                                                                                     |
|------|---------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |         | Protection against overloads:<br>I <sub>r</sub> adjustable from 0.4 to 1 x I <sub>n</sub><br>Tr adjustable from 3 to 15s (p. 62)<br>Protection against short circuits:<br>I <sub>sd</sub> adjustable from 1.5 to 10 x I <sub>r</sub><br>T <sub>sd</sub> adjustable from 0 to 0.5s (p. 62) |
|      |         |         | <b>Breaking capacity I<sub>cu</sub> 25 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                         |
|      | 3P      | 4P      | I <sub>n</sub> (A)                                                                                                                                                                                                                                                                        |
| 1    | 420 302 | 420 312 | 40                                                                                                                                                                                                                                                                                        |
| 1    | 420 305 | 420 315 | 100                                                                                                                                                                                                                                                                                       |
| 1    | 420 307 | 420 317 | 160                                                                                                                                                                                                                                                                                       |
| 1    | 420 309 | 420 319 | 250                                                                                                                                                                                                                                                                                       |
|      |         |         | <b>Breaking capacity I<sub>cu</sub> 36 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                         |
| 1    | 420 332 | 420 342 | 40                                                                                                                                                                                                                                                                                        |
| 1    | 420 335 | 420 345 | 100                                                                                                                                                                                                                                                                                       |
| 1    | 420 337 | 420 347 | 160                                                                                                                                                                                                                                                                                       |
| 1    | 420 339 | 420 349 | 250                                                                                                                                                                                                                                                                                       |
|      |         |         | <b>Breaking capacity I<sub>cu</sub> 50 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                         |
| 1    | 420 362 | 420 372 | 40                                                                                                                                                                                                                                                                                        |
| 1    | 420 365 | 420 375 | 100                                                                                                                                                                                                                                                                                       |
| 1    | 420 367 | 420 377 | 160                                                                                                                                                                                                                                                                                       |
| 1    | 420 369 | 420 379 | 250                                                                                                                                                                                                                                                                                       |
|      |         |         | <b>Breaking capacity I<sub>cu</sub> 70 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                         |
| 1    | 420 635 | 420 645 | 40                                                                                                                                                                                                                                                                                        |
| 1    | 420 637 | 420 647 | 100                                                                                                                                                                                                                                                                                       |
| 1    | 420 638 | 420 648 | 160                                                                                                                                                                                                                                                                                       |
| 1    | 420 639 | 420 649 | 250                                                                                                                                                                                                                                                                                       |

| Pack | Cat.Nos |     | MCCBs with electronic earth leakage module - fixed version                                                                                                                                                                                                                                                                                                                                                                                                              |
|------|---------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |     | Protection against overloads:<br>I <sub>r</sub> adjustable from 0.4 to 1 x I <sub>n</sub><br>Tr adjustable from 3 to 15s (p. 62)<br>Protection against short circuits:<br>I <sub>sd</sub> adjustable from 1.5 to 10 x I <sub>r</sub><br>T <sub>sd</sub> adjustable from 0 to 0.5s (p. 62)<br>Equipped with earth leakage module with LCD screen<br>Adjustable sensitivity: 0.03 - 0.3 - 1 - 3 A<br>Adjustable tripping: 0 - 0.3 - 1 - 3s (with 0.03 A possible only 0s) |
|      |         |     | <b>Breaking capacity I<sub>cu</sub> 25 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                                                                       |
|      |         | 4P  | I <sub>n</sub> (A)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1    | 420 322 | 40  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 325 | 100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 327 | 160 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 329 | 250 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|      |         |     | <b>Breaking capacity I<sub>cu</sub> 36 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 352 | 40  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 355 | 100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 357 | 160 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 359 | 250 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|      |         |     | <b>Breaking capacity I<sub>cu</sub> 50 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 382 | 40  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 385 | 100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 387 | 160 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 389 | 250 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|      |         |     | <b>Breaking capacity I<sub>cu</sub> 70 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 655 | 40  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 657 | 100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 658 | 160 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 659 | 250 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## DPX<sup>3</sup> 250 electronic release

MCCBs from 40 to 250 A (continued)



420 649



Technical characteristics and tripping curves (p. 60-62)  
Dimensions (p. 55)

Can be mounted on rail or on plate in XL<sup>3</sup> cabinets and enclosures  
MCCBs for switching, control isolation and protection of low voltage electrical lines  
Supplied with insulated shileds, screw terminals 120 mm<sup>2</sup> max. (flexible cable) or 150 mm<sup>2</sup> max. rigid cable with accessories  
Can be fitted with accessories and DPX<sup>3</sup> common auxiliaires (p. 32)  
Conform to IEC 60947-2

| Pack | Cat.Nos |         | MCCBs with energy metering central unit - fixed version                                                                                                                                                                                                                                                                                                                                                                     |
|------|---------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3P      | 4P      |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|      |         |         | Protection against overloads:<br>I <sub>r</sub> adjustable from 0.4 to 1 x I <sub>n</sub><br>T <sub>r</sub> adjustable from 3 to 15s (p. 62)<br>Protection against short circuits:<br>I <sub>sd</sub> adjustable from 1.5 to 10 x I <sub>r</sub><br>T <sub>sd</sub> adjustable from 0 to 0.5s (p. 62)<br>Integrated energy metering central unit with LCD screen; currents, voltage, frequency, power, energy and harmonics |
|      |         |         | <b>Breaking capacity I<sub>cu</sub> 25 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                           |
|      |         |         | I <sub>n</sub> (A)                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1    | 420 402 | 420 412 | 40                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1    | 420 405 | 420 415 | 100                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 407 | 420 417 | 160                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 409 | 420 419 | 250                                                                                                                                                                                                                                                                                                                                                                                                                         |
|      |         |         | <b>Breaking capacity I<sub>cu</sub> 36 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                           |
| 1    | 420 432 | 420 442 | 40                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1    | 420 435 | 420 445 | 100                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 437 | 420 447 | 160                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 439 | 420 449 | 250                                                                                                                                                                                                                                                                                                                                                                                                                         |
|      |         |         | <b>Breaking capacity I<sub>cu</sub> 50 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                           |
| 1    | 420 462 | 420 472 | 40                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1    | 420 465 | 420 475 | 100                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 467 | 420 477 | 160                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 469 | 420 479 | 250                                                                                                                                                                                                                                                                                                                                                                                                                         |
|      |         |         | <b>Breaking capacity I<sub>cu</sub> 70 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                           |
| 1    | 420 665 | 420 675 | 40                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1    | 420 667 | 420 677 | 100                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 668 | 420 678 | 160                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 669 | 420 679 | 250                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Pack | Cat.Nos | MCCBs with energy metering central unit and electronic earth leakage module - fixed version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|      |         | Protection against overloads:<br>I <sub>r</sub> adjustable from 0.4 to 1 x I <sub>n</sub><br>T <sub>r</sub> adjustable from 3 to 15s (p. 62)<br>Protection against short circuits:<br>I <sub>sd</sub> adjustable from 1.5 to 10 x I <sub>r</sub><br>T <sub>sd</sub> adjustable from 0 to 0.5s (p. 62)<br>Equipped with earth leakage module with LCD screen<br>Adjustable sensitivity: 0.03 - 0.3 - 1 - 3 A<br>Adjustable tripping: 0 - 0.3 - 1 - 3s (with 0.03 A possible only 0s)<br>Integrated energy metering central unit with LCD screen; currents, voltage, frequency, power, energy and harmonics |
|      |         | <b>Breaking capacity I<sub>cu</sub> 25 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|      |         | I <sub>n</sub> (A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|      | 4P      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1    | 420 422 | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1    | 420 425 | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 427 | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 429 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|      |         | <b>Breaking capacity I<sub>cu</sub> 36 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 452 | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1    | 420 455 | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 457 | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 459 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|      |         | <b>Breaking capacity I<sub>cu</sub> 50 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 482 | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1    | 420 485 | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 487 | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 489 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|      |         | <b>Breaking capacity I<sub>cu</sub> 70 kA (400 V<sub>~</sub>)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 685 | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1    | 420 687 | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 688 | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 689 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Communication interface (p. 32)

## DPX<sup>3</sup> 250 electronic release

### MCCBs from 40 to 250 A (continued)



420 549

**Technical characteristics and tripping curves** (p. 60-62)  
**Dimensions** (p. 55)

Can be mounted on rail or on plate in XL<sup>3</sup> cabinets and enclosures  
MCCBs for switching, control isolation and protection of low voltage electrical lines  
Supplied with insulated shileds, screw terminals 120 mm<sup>2</sup> max. (flexible cable) or 150 mm<sup>2</sup> max. rigid cable with accessories  
Can be fitted with accessories and DPX<sup>3</sup> common auxiliares (p. 32)  
Conform to IEC 60947-2

| Pack | Cat.Nos |         | Electronic release Sg MCCBs - fixed version                                                                                                                                                                                                                                                                                                                    |
|------|---------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |         | Protection against overloads:<br>Ir adjustable from 0.4 to 1 x In<br>Tr adjustable from 3 to 15s (p. 62)<br>Protection against short circuits:<br>Isd adjustable from 1.5 to 10 x Ir<br>Tsd adjustable from 0 to 0.5s (p. 62)<br>Protection against earth fault:<br>Ig adjustable: from 0.2 to 1 x In and OFF position<br>Tg adjustable from 0.1 to 1s (p. 62) |
|      |         |         | <b>Breaking capacity Icu 25 kA (400 V<math>\sim</math>)</b>                                                                                                                                                                                                                                                                                                    |
|      | 3P      | 4P      | In (A)                                                                                                                                                                                                                                                                                                                                                         |
| 1    | 420 502 | 420 512 | 40                                                                                                                                                                                                                                                                                                                                                             |
| 1    | 420 505 | 420 515 | 100                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 420 507 | 420 517 | 160                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 420 509 | 420 519 | 250                                                                                                                                                                                                                                                                                                                                                            |
|      |         |         | <b>Breaking capacity Icu 36 kA (400 V<math>\sim</math>)</b>                                                                                                                                                                                                                                                                                                    |
| 1    | 420 522 | 420 532 | 40                                                                                                                                                                                                                                                                                                                                                             |
| 1    | 420 525 | 420 535 | 100                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 420 527 | 420 537 | 160                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 420 529 | 420 539 | 250                                                                                                                                                                                                                                                                                                                                                            |
|      |         |         | <b>Breaking capacity Icu 50 kA (400 V<math>\sim</math>)</b>                                                                                                                                                                                                                                                                                                    |
| 1    | 420 542 | 420 552 | 40                                                                                                                                                                                                                                                                                                                                                             |
| 1    | 420 545 | 420 555 | 100                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 420 547 | 420 557 | 160                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 420 549 | 420 559 | 250                                                                                                                                                                                                                                                                                                                                                            |
|      |         |         | <b>Breaking capacity Icu 70 kA (400 V<math>\sim</math>)</b>                                                                                                                                                                                                                                                                                                    |
| 1    | 420 692 | 420 702 | 40                                                                                                                                                                                                                                                                                                                                                             |
| 1    | 420 695 | 420 705 | 100                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 420 697 | 420 707 | 160                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 420 699 | 420 709 | 250                                                                                                                                                                                                                                                                                                                                                            |

## DPX<sup>3</sup> 250 equipment and mounting accessories



421 044



421 031



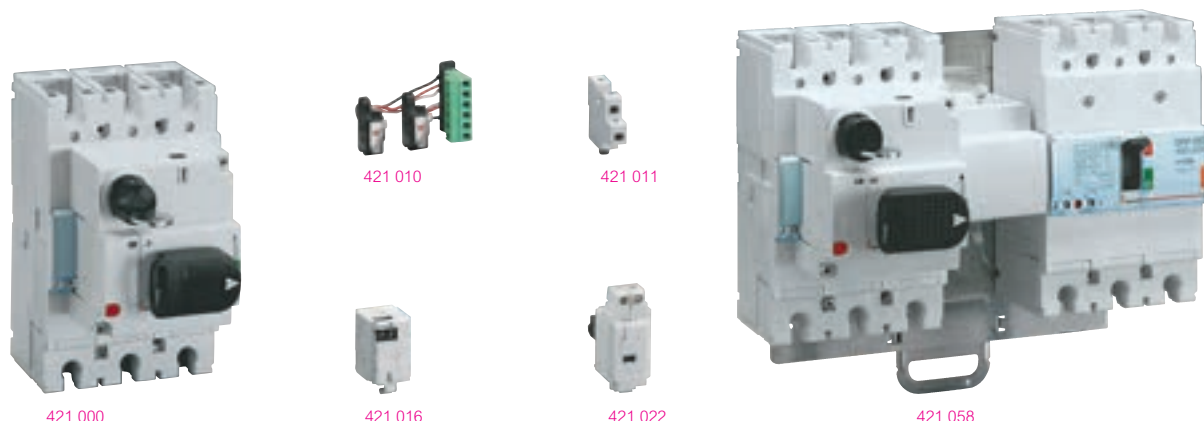
421 072

| Pack | Cat.Nos | Equipment for plug-in version                                                                    |
|------|---------|--------------------------------------------------------------------------------------------------|
|      |         | A plug-in version DPX <sup>3</sup> is a fixed version DPX <sup>3</sup> mounted on a plug-in base |
|      |         | <b>Plug-in bases for DPX<sup>3</sup> 160</b>                                                     |
| 1    | 421 042 | Front or rear terminal mounting base                                                             |
| 1    | 421 043 | For DPX <sup>3</sup> 250 - 3P                                                                    |
|      |         | For DPX <sup>3</sup> 250 - 4P with or without earth leakage module                               |
|      |         | <b>Connectors for auxiliary contacts</b>                                                         |
| 1    | 421 044 | Set of connectors                                                                                |
|      |         | <b>Padlocks for plug-in base</b>                                                                 |
| 1    | 421 045 | Ronis locking accessory                                                                          |
| 1    | 421 046 | Profalux locking accessory                                                                       |
| 1    | 421 047 | Padlock accessory                                                                                |

| Pack | Cat.Nos | Connection accessories                                                                                                               |
|------|---------|--------------------------------------------------------------------------------------------------------------------------------------|
|      |         | <b>Cage terminals</b>                                                                                                                |
|      |         | For Cu/Al cables, 1 x 150 mm <sup>2</sup> for flexible cables and 1 x 180 mm <sup>2</sup> for rigid cable and bars or lugs 25 x 8 mm |
| 1    | 421 030 | Set of 3 terminals                                                                                                                   |
| 1    | 421 031 | Set of 4 terminals                                                                                                                   |
|      |         | <b>Insulated shields</b>                                                                                                             |
| 1    | 421 070 | Set of 3 insulated shields                                                                                                           |
|      |         | <b>Spreaders</b>                                                                                                                     |
|      |         | For incoming bars or cable lugs                                                                                                      |
| 1    | 421 034 | Set of 3 spreaders for DPX <sup>3</sup> 250 3P                                                                                       |
| 1    | 421 035 | Set of 4 spreaders for DPX <sup>3</sup> 250 4P                                                                                       |
|      |         | <b>Rear terminals</b>                                                                                                                |
|      |         | Flat swivel terminals                                                                                                                |
|      |         | Used to convert a fixed version with front terminals to a fixed version with rear terminals                                          |
| 1    | 421 038 | Set of 3 rear terminals for DPX <sup>3</sup> 250 3P                                                                                  |
| 1    | 421 039 | Set of 4 rear terminals for DPX <sup>3</sup> 250 4P                                                                                  |
|      |         | <b>Sealable terminal shields</b>                                                                                                     |
|      |         | <b>For front terminals</b>                                                                                                           |
| 1    | 421 056 | For DPX <sup>3</sup> 250 3P                                                                                                          |
| 1    | 421 057 | For DPX <sup>3</sup> 250 4P                                                                                                          |
|      |         | <b>For rear terminals</b>                                                                                                            |
| 1    | 421 052 | For DPX <sup>3</sup> 250 3P                                                                                                          |
| 1    | 421 053 | For DPX <sup>3</sup> 250 4P                                                                                                          |
|      |         | <b>Fixing plates</b>                                                                                                                 |
|      |         | For fixing DPX <sup>3</sup> 250 on  rail or on plate                                                                                 |
| 1    | 421 072 | For DPX <sup>3</sup> 250 3P/4P without earth leakage module                                                                          |
| 1    | 421 074 | For DPX <sup>3</sup> 250 4P with earth leakage module                                                                                |
| 1    | 421 069 | For DPX <sup>3</sup> 250 3P/4P with side mounting motor operator                                                                     |

**XL<sup>3</sup> mounting accessories** (p. 46-53)  
**Accessories** (p. 32)

## DPX<sup>3</sup> 160 and 250 common auxiliaries and accessories

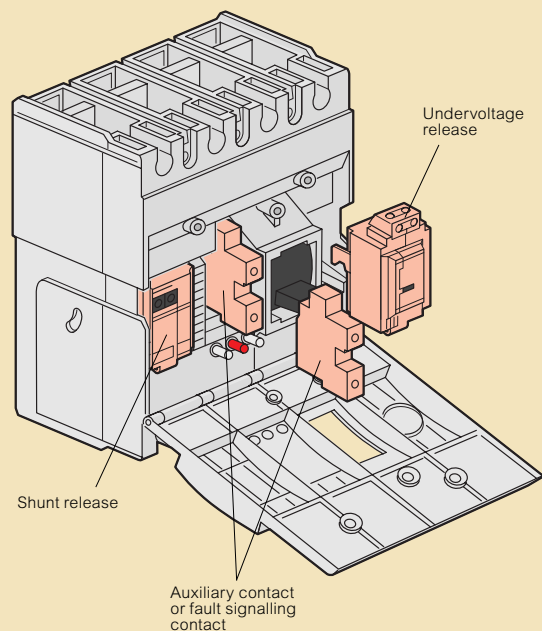


| Pack                                    | Cat.Nos | Supply inverter type                                                                                                                                                   |
|-----------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                       | 421 058 | Plate for mounting and interlocking of 2 DPX <sup>3</sup><br>For 2 DPX <sup>3</sup> 160 or 2 DPX <sup>3</sup> 250 or 1 DPX <sup>3</sup> 160 and 1 DPX <sup>3</sup> 250 |
| 1                                       | 421 059 | For fixed version<br>For plug-in and draw-out version                                                                                                                  |
| <b>Rotary handles</b>                   |         |                                                                                                                                                                        |
| <b>Direct on DPX</b>                    |         |                                                                                                                                                                        |
| 1                                       | 421 000 | Standard handle for thermal magnetic DPX <sup>3</sup> without earth leakage module                                                                                     |
| 1                                       | 421 001 | Standard handle for electronic DPX <sup>3</sup> and/or with earth leakage module                                                                                       |
| 1                                       | 421 002 | Handle for emergency use for thermal magnetic DPX <sup>3</sup> without earth leakage module                                                                            |
| 1                                       | 421 003 | Handle for emergency use for electronic DPX <sup>3</sup> and/or with earth leakage module                                                                              |
| <b>Vari-depth handles</b>               |         |                                                                                                                                                                        |
| For all version of DPX <sup>3</sup>     |         |                                                                                                                                                                        |
| 1                                       | 421 004 | Standard handle                                                                                                                                                        |
| 1                                       | 421 005 | Handle for emergency use                                                                                                                                               |
| <b>Locking accessories</b>              |         |                                                                                                                                                                        |
| 1                                       | 421 006 | Ronis for direct handle                                                                                                                                                |
| 1                                       | 421 007 | Profalux for direct handle                                                                                                                                             |
| 1                                       | 421 008 | Ronis for vari-depth handle                                                                                                                                            |
| 1                                       | 421 009 | Profalux for vari-depth handle                                                                                                                                         |
| <b>Motor-driven handles</b>             |         |                                                                                                                                                                        |
| <b>Motor operators 24 to 230 V~ / =</b> |         |                                                                                                                                                                        |
| 1                                       | 421 060 | Side motor operator                                                                                                                                                    |
| 1                                       | 421 061 | Front motor operator                                                                                                                                                   |
| <b>Locking accessories</b>              |         |                                                                                                                                                                        |
| 1                                       | 421 062 | Ronis key barrel for front motor operator                                                                                                                              |
| 1                                       | 421 063 | Profalux key barrel for front motor operator                                                                                                                           |
| 1                                       | 421 064 | Padlock for front motor operator                                                                                                                                       |
| 1                                       | 421 065 | Ronis key barrel for side motor operator                                                                                                                               |
| 1                                       | 421 066 | Profalux key barrel for side motor operator                                                                                                                            |
| 1                                       | 421 067 | Padlock for side motor operator                                                                                                                                        |

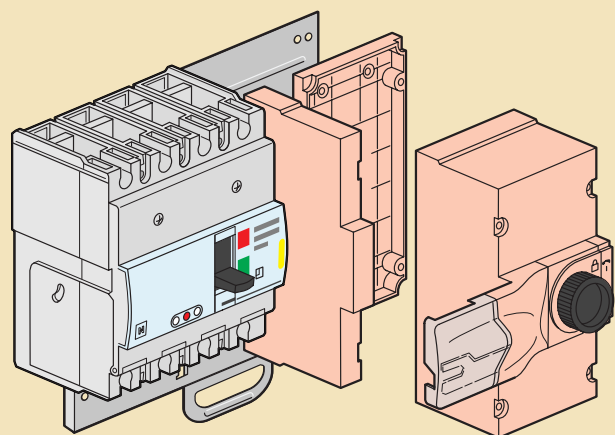
| Pack                           | Cat.Nos | Auxiliaries                                                                      |
|--------------------------------|---------|----------------------------------------------------------------------------------|
| <b>Auxiliary contacts</b>      |         |                                                                                  |
| 1                              | 421 010 | 1 N/C + 1 N/O auxiliary contact for rotary handles                               |
| 1                              | 421 011 | Auxiliary contact or fault signalling contact                                    |
| 1                              | 421 048 | Signalling contact plugged-in / drawn-out (for DPX <sup>3</sup> plug-in version) |
| <b>Shunt releases</b>          |         |                                                                                  |
| 1                              | 421 012 | 12 V~ / =                                                                        |
| 1                              | 421 013 | 24 V~ / =                                                                        |
| 1                              | 421 014 | 48 V~ / =                                                                        |
| 1                              | 421 015 | 110-130 V~ / =                                                                   |
| 1                              | 421 016 | 200-277 V~ / =                                                                   |
| 1                              | 421 017 | 380-480 V~ / =                                                                   |
| <b>Undervoltage releases</b>   |         |                                                                                  |
| 1                              | 421 018 | 12 V~ / =                                                                        |
| 1                              | 421 019 | 24 V~ / =                                                                        |
| 1                              | 421 020 | 48 V~ / =                                                                        |
| 1                              | 421 021 | 110-130 V~ / =                                                                   |
| 1                              | 421 022 | 200-240 V~ / =                                                                   |
| 1                              | 421 023 | 277 V~                                                                           |
| 1                              | 421 024 | 380-415 V~                                                                       |
| 1                              | 421 025 | 440-480 V~                                                                       |
| <b>Locking accessory</b>       |         |                                                                                  |
| 1                              | 421 049 | Padlock for locking in "open" position                                           |
| <b>Communication interface</b> |         |                                                                                  |
| 1                              | 421 075 | Modbus                                                                           |

# DPX<sup>3</sup> 160/250

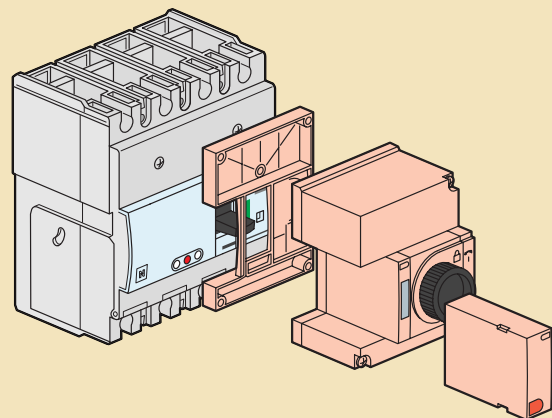
## ■ Auxiliaries mounting



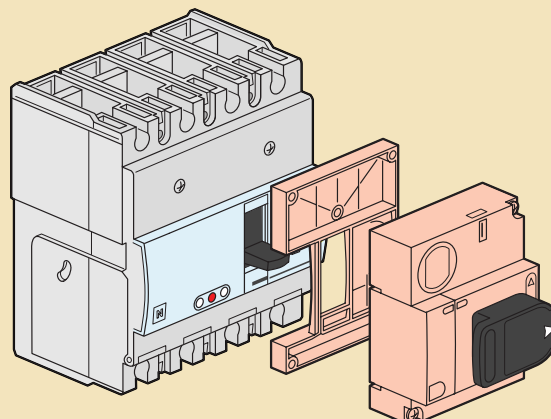
## ■ Side mounting motor-driven handle



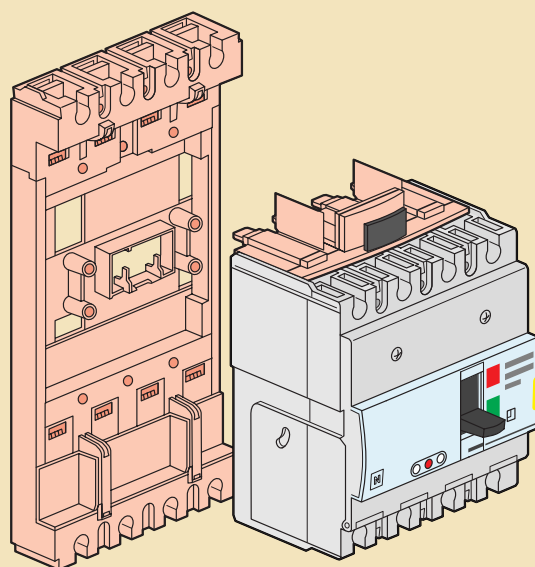
## ■ Front mounting motor-driven handle



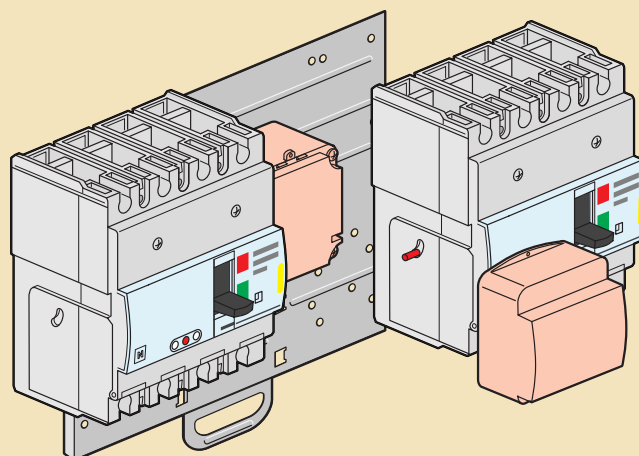
## ■ Direct rotary handle



## ■ Plug-in version



## ■ Supply inverter type



# DPX™ 250

thermal magnetic and electronic release MCCBs from 40 to 250 A



253 56

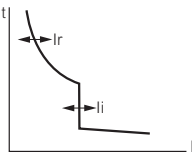


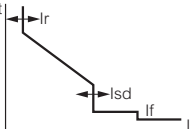
253 73



Dimensions (p. 57)  
Electrical characteristics (p. 62-63)

MCCBs for switching, control isolation and protection of low voltage electrical lines  
Can be fitted with auxiliaries (p. 42)  
Can be used with earth leakage modules (p. 35) or with residual current relays (p. 43)  
Supplied complete with:  
- connection plates for bars  
- upstream and downstream connection devices for lugs (width max. 20 mm)  
- terminal shields  
Conform to IEC 60947-2  
Sealable adjustment  
Can be mounted on plate in XL<sup>3</sup> cabinets and enclosures

| Pack | Cat.Nos  |        | Thermal magnetic MCCBs - fixed version                                                                                                                               |  |
|------|----------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|      |          |        | Thermal adjustable from 0.64 to 1 In<br>Magnetic adjustable from 3.5 to 10 In<br> |  |
|      |          |        | <b>Breaking capacity Icu 36 kA (400 V~)</b>                                                                                                                          |  |
|      | 3P       | 4P     | In (A)                                                                                                                                                               |  |
| 1    | 253 28   | 253 45 | 40                                                                                                                                                                   |  |
| 1    | 253 29   | 253 46 | 63                                                                                                                                                                   |  |
| 1    | 253 30   | 253 47 | 100                                                                                                                                                                  |  |
| 1    | 253 31   | 253 48 | 160                                                                                                                                                                  |  |
| 1    | 253 32   | 253 49 | 250                                                                                                                                                                  |  |
|      | 3P + N/2 |        | In (A)                                                                                                                                                               |  |
| 1    | 253 41   |        | 160                                                                                                                                                                  |  |
| 1    | 253 42   |        | 250                                                                                                                                                                  |  |
|      | 3P       | 4P     | In (A)                                                                                                                                                               |  |
| 1    | 253 52   | 253 69 | 40                                                                                                                                                                   |  |
| 1    | 253 53   | 253 70 | 63                                                                                                                                                                   |  |
| 1    | 253 54   | 253 71 | 100                                                                                                                                                                  |  |
| 1    | 253 55   | 253 72 | 160                                                                                                                                                                  |  |
| 1    | 253 56   | 253 73 | 250                                                                                                                                                                  |  |
|      | 3P + N/2 |        | In (A)                                                                                                                                                               |  |
| 1    | 253 66   |        | 250                                                                                                                                                                  |  |

| Pack | Cat.Nos |        | Electronic release S1 MCCBs - fixed version                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|------|---------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|      |         |        | Adjustment of Ir and Isd (p. 63)<br>Instantaneous protection 40 A: if = 1 kA<br>100/160/250 A: if = 3 kA<br>Indicator lamp<br>Minimum current for indicator lamp operation (30 % of In) - green: normal - fixed red: $I \geq 0.9 I_r$ - flushing red: $I \geq 1.05 I_r$<br>Connector for test unit<br>Dynamic selectivity<br>4P version: adjustment of neutral on front panel<br> |  |
|      |         |        | <b>Breaking capacity Icu 36 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|      | 3P      | 4P     | In (A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| 1    | 254 01  | 254 07 | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 1    | 254 03  | 254 09 | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 1    | 254 04  | 254 10 | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 1    | 254 05  | 254 11 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|      |         |        | <b>Breaking capacity Icu 70 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|      |         |        | In (A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| 1    | 254 13  | 254 19 | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 1    | 254 15  | 254 21 | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 1    | 254 16  | 254 22 | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 1    | 254 17  | 254 23 | 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |

# DPX™ 250

thermal magnetic and electronic release MCCBs from 40 to 250 A (continued)



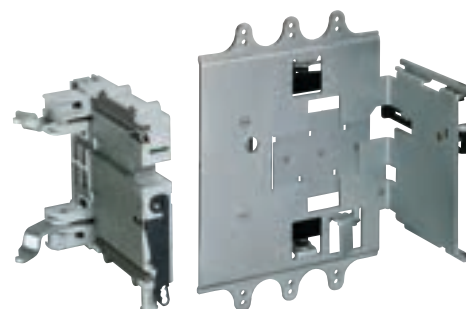
260 55



260 53



265 32



265 46

| Pack | Cat.Nos |        | Electronic release S2 MCCBs - fixed version                                                                                                                                                                                                                                                                                                                                                                          |
|------|---------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3P      | 4P     |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|      |         |        | Adjustment of $I_r$ , $I_{sd}$ , $T_r$ , $T_{sd}$ (p. 63)<br>Instantaneous protection 40 A: if = 1 kA<br>100/160/250 A: if = 3 kA<br>Indicator lamp<br>Minimum current for indicator lamp operation (30 % of $I_n$ ) - green: normal - fixed red: $I \geq 0.9 I_r$ - flashing red: $I \geq 1.05 I_r$<br>Connector for test unit<br>Logic and dynamic selectivity<br>4P version: adjustment of neutral on front panel |
|      |         |        |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|      |         |        | <b>Breaking capacity <math>I_{cu}</math> 36 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                                                          |
| 1    | 254 40  | 254 45 | $I_n$ (A)                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1    | 254 41  | 254 46 | 40                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1    | 254 42  | 254 47 | 100                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1    | 254 43  | 254 48 | 160                                                                                                                                                                                                                                                                                                                                                                                                                  |
|      |         |        | 250                                                                                                                                                                                                                                                                                                                                                                                                                  |
|      |         |        | <b>Breaking capacity <math>I_{cu}</math> 70 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                                                          |
| 1    | 254 50  | 254 55 | 40                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1    | 254 51  | 254 56 | 100                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1    | 254 52  | 254 57 | 160                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1    | 254 53  | 254 58 | 250                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Electronic earth leakage modules |        |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  |        | Can be fitted onto DPX/DPX-I 250<br>Adjustable, sealable sensitivity:<br>0.03 - 0.3 - 1 - 3 A<br>Adjustable, time delay: 0 - 0.3 - 1 - 3 s<br>Test push-buttons<br>Reset push-button<br>Remote earth fault signalling contact<br>Switch for mechanical tests (installation insulation test)<br>Mounted underneath |
|                                  |        | <b>Standard</b>                                                                                                                                                                                                                                                                                                   |
|                                  | 3P     | 4P                                                                                                                                                                                                                                                                                                                |
| 1                                |        | 260 51                                                                                                                                                                                                                                                                                                            |
| 1                                | 260 54 | 260 55                                                                                                                                                                                                                                                                                                            |
|                                  |        | $I_n$ (A)                                                                                                                                                                                                                                                                                                         |
|                                  |        | 160                                                                                                                                                                                                                                                                                                               |
|                                  |        | 250                                                                                                                                                                                                                                                                                                               |
|                                  |        | <b>LED version</b>                                                                                                                                                                                                                                                                                                |
|                                  |        | Monitors the isolation state of the installation via a series of LEDs                                                                                                                                                                                                                                             |
|                                  | 4P     |                                                                                                                                                                                                                                                                                                                   |
|                                  |        | $I_n$ (A)                                                                                                                                                                                                                                                                                                         |
| 1                                | 260 53 | 160                                                                                                                                                                                                                                                                                                               |
| 1                                | 260 57 | 250                                                                                                                                                                                                                                                                                                               |

| Pack | Cat.Nos |        | Plug-in version                                                             |
|------|---------|--------|-----------------------------------------------------------------------------|
|      | 3P      | 4P     |                                                                             |
| 1    | 265 29  | 265 30 | A plug-in is a DPX fitted with tulip contacts mounted on a base             |
|      |         |        | <b>Tulip contacts</b>                                                       |
|      |         |        | Set of tulip contacts (supplied with an incoming/outgoing protective cover) |
|      |         |        | <b>Bases for DPX only</b>                                                   |
|      |         |        | Accept DPX/DPX-I fitted with tulip contacts                                 |
| 1    | 265 31  | 265 32 | Front terminal mounting base                                                |
| 1    | 265 33  | 265 34 | Rear terminal mounting base with threaded rod                               |
| 1    | 265 35  | 265 36 | Flat rear terminal mounting base                                            |
|      |         |        | <b>Bases for DPX with earth leakage module</b>                              |
| 1    | 265 37  |        | Front terminal mounting base                                                |
| 1    | 265 38  |        | Rear terminal mounting base with threaded rod                               |
| 1    | 265 39  |        | Flat rear terminal mounting base                                            |
|      |         |        | <b>Accessories</b>                                                          |
| 1    | 263 99  |        | Set of connectors (8-pin)                                                   |
| 1    | 098 19  |        | Set of connectors (6-pin)                                                   |
| 1    | 263 43  |        | Set of 2 extractor handle                                                   |

| Draw-out version |        |                                                                                                                                                 |
|------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |        | A DPX draw-out version is a plug-in DPX fitted with a "Debro-lift" mechanism which can be used to withdraw the DPX while keeping it on its base |
|                  |        | <b>"Debro-lift" mechanism</b>                                                                                                                   |
|                  |        | Supplied with a rigid slide and handle for drawing-out                                                                                          |
| 1                | 3P     | 4P                                                                                                                                              |
| 1                | 265 45 | 265 46                                                                                                                                          |
|                  |        | 265 47                                                                                                                                          |
|                  |        | For DPX base only                                                                                                                               |
|                  |        | For DPX base with earth leakage module                                                                                                          |
|                  |        | <b>Key lock for "Debro-lift" mechanism</b>                                                                                                      |
|                  |        | Enable locking of DPX in drawn-out position                                                                                                     |
| 1                | 265 76 |                                                                                                                                                 |
| 1                | 265 78 |                                                                                                                                                 |
|                  |        | 1 key Ronis for DPX only                                                                                                                        |
|                  |        | 1 key Ronis for motorised DPX or with rotary handle                                                                                             |
|                  |        | <b>Accessories for "Debro-lift" mechanism</b>                                                                                                   |
| 1                | 265 75 |                                                                                                                                                 |
| 1                | 265 74 |                                                                                                                                                 |
|                  |        | Isolated handle for drawing-out                                                                                                                 |
|                  |        | Signalling contact (plugged-in/drawn-out)                                                                                                       |

| Supply inverter type |                                                                              |
|----------------------|------------------------------------------------------------------------------|
|                      | A supply inverter type is composed of one plate with interlock for 2 devices |
| 1                    | 264 08                                                                       |
|                      | Universal plate for MCCB or trip-free switch fixed version                   |
| 1                    | 264 03                                                                       |
|                      | Universal plate for MCCB or trip-free switch plug-in and draw-out version    |



For DPX-L 250 100 kA and Sg electronic release version, please consult us

# DPX™ 250

equipment and accessories



262 22



262 79



262 80



261 30

| Pack | Cat.Nos | Rotary handles                                                                                                     |
|------|---------|--------------------------------------------------------------------------------------------------------------------|
| 1    | 262 22  | <b>Direct on DPX</b>                                                                                               |
| 1    | 262 24  | Standard (grey)                                                                                                    |
|      |         | For emergency use (red/yellow) - can be fitted on Cat.Nos 262 22, 262 41 or 262 81                                 |
|      |         | <b>Vari-depth handle IP 55</b>                                                                                     |
|      |         | Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism |
| 1    | 262 79  | Standard (black)                                                                                                   |
| 1    | 262 80  | Conversion kit for emergency use                                                                                   |
|      |         | Can be fitted on Cat.No 262 79                                                                                     |
|      |         | <b>Locking accessories</b>                                                                                         |
| 1    | 262 92  | Eurolocks for vari-depth handle                                                                                    |
| 1    | 262 93  | Profalux for vari-depth handle                                                                                     |
| 1    | 262 94  | Ronis for vari-depth handle                                                                                        |
| 1    | 262 25  | Eurolocks for direct handle                                                                                        |

| Pack | Cat.Nos | Motor-driven handles    |
|------|---------|-------------------------|
|      |         | <b>Front operated</b>   |
| 1    | 261 30  | 24 V~ / =               |
| 1    | 261 34  | 230 V~                  |
|      |         | <b>Accessory</b>        |
| 1    | 261 59  | Ronis locking accessory |

| Pack | Cat.Nos | Accessories                                                                                     |
|------|---------|-------------------------------------------------------------------------------------------------|
|      |         | <b>Insulated shields</b>                                                                        |
| 1    | 262 30  | Set of 3                                                                                        |
|      |         | <b>Sealable terminal shields</b>                                                                |
| 1    | 262 26  | Set of 2 long terminal shields                                                                  |
| 1    | 262 28  | Set of 2 short terminal shields                                                                 |
|      |         | <b>Padlock</b>                                                                                  |
| 1    | 262 21  | For locking in "open" position                                                                  |
|      |         | <b>Cage terminals</b>                                                                           |
| 1    | 262 35  | Set of 4 terminals for cable 185 mm² max. (rigid) or 150 mm² max. (flexible)                    |
|      |         | <b>Adaptor for lug</b>                                                                          |
| 1    | 262 31  | For connecting bare cables with wide lug                                                        |
|      |         | Set of 1 adaptor + insulated shields                                                            |
|      |         | <b>Extended front terminals</b>                                                                 |
| 1    | 262 32  | Set of 4                                                                                        |
|      |         | <b>Spreaders</b>                                                                                |
| 1    | 262 33  | Set of spreaders incoming or outgoing                                                           |
|      |         | <b>Rear terminals</b>                                                                           |
|      |         | Used to convert the fixed version with front terminals to the fixed version with rear terminals |
| 1    | 263 31  | Set of rear terminals, incoming or outgoing                                                     |
| 1    | 265 27  | Set of flat rear terminals, incoming or outgoing                                                |
|      |         | <b>Distribution terminal 250 A</b>                                                              |
| 1    | 048 68  | 250 A - 4 outputs 35 mm² flexible and 2 outputs 25 mm² flexible - Isc peak 36 kA                |
|      |         | Can be fitted directly onto downstream terminal of DPX 250/250 ER and DPX-IS 250                |

# DPX™ 630

thermal magnetic and electronic release MCCBs from 250 to 630 A

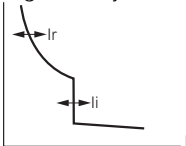


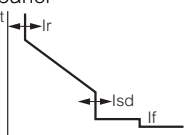
255 37



Dimensions (p. 58)  
Electrical characteristics (p. 62-63)

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines  
Can be fitted with auxiliaries (p. 42)  
Can be used with earth leakage modules or with residual current relays (p. 43)  
Supplied complete with:  
- connection plates for bars  
- terminal shields  
Conform to IEC 60947-2 - Sealable adjustment  
Can be mounted on plate in XL<sup>3</sup> cabinets and enclosures

| Pack | Cat.Nos  |        | <div>Thermal magnetic MCCBs - fixed version</div> <div>Thermal adjustable from 0.8 to 1 In<br/>Magnetic adjustable from 5 to 10 In</div> <div></div> <div>Breaking capacity Icu 36 kA (400 V~)</div> |        |
|------|----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|      | 3P       | 4P     |                                                                                                                                                                                                                                                                                         | In (A) |
| 1    | 255 21   | 255 36 |                                                                                                                                                                                                                                                                                         | 250    |
| 1    | 255 22   | 255 37 |                                                                                                                                                                                                                                                                                         | 320    |
| 1    | 255 23   | 255 38 | 400                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 25   | 255 39 | 500                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 24   | 255 40 | 630                                                                                                                                                                                                                                                                                     |        |
|      | 3P + N/2 |        | In (A)                                                                                                                                                                                                                                                                                  |        |
| 1    | 255 32   |        | 320                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 33   |        | 400                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 35   |        | 500                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 34   |        | 630                                                                                                                                                                                                                                                                                     |        |
|      |          |        | Breaking capacity Icu 70 kA (400 V~)                                                                                                                                                                                                                                                    |        |
|      | 3P       | 4P     | In (A)                                                                                                                                                                                                                                                                                  |        |
| 1    | 255 42   | 255 57 | 320                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 43   | 255 58 | 400                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 45   | 255 59 | 500                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 44   | 255 60 | 630                                                                                                                                                                                                                                                                                     |        |
|      | 3P + N/2 |        | In (A)                                                                                                                                                                                                                                                                                  |        |
| 1    | 255 52   |        | 320                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 53   |        | 400                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 55   |        | 500                                                                                                                                                                                                                                                                                     |        |
| 1    | 255 54   |        | 630                                                                                                                                                                                                                                                                                     |        |

| Pack | Cat.Nos |        | DPX 630 electronic release S1                                                                                                                                                                                         |
|------|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |        | Adjustment of $I_r$ , $I_{sd}$ (p. 63)<br>Instantaneous protection $I_f = 5 \text{ kA}$<br>Green indicator lamp<br>Connector for test unit<br>Dynamic selectivity<br>4P version: adjustment of neutral on front panel |
|      |         |        |                                                                                                                                  |
|      |         |        | <b>Breaking capacity <math>I_{cu} \text{ 36 kA (400 V}\sim\text{)}</math></b>                                                                                                                                         |
|      | 3P      | 4P     | $I_n \text{ (A)}$                                                                                                                                                                                                     |
| 1    | 256 01  | 256 05 | 250                                                                                                                                                                                                                   |
| 1    | 256 02  | 256 06 | 400                                                                                                                                                                                                                   |
| 1    | 256 03  | 256 07 | 630                                                                                                                                                                                                                   |
|      |         |        | <b>Breaking capacity <math>I_{cu} \text{ 70 kA (400 V}\sim\text{)}</math></b>                                                                                                                                         |
|      |         |        | $I_n \text{ (A)}$                                                                                                                                                                                                     |
| 1    | 256 10  | 256 14 | 400                                                                                                                                                                                                                   |
| 1    | 256 11  | 256 15 | 630                                                                                                                                                                                                                   |

## DPX™ 630

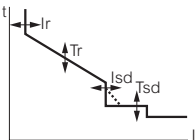
thermal magnetic and electronic release MCCBs  
from 250 to 630 A (continued)



256 35



260 63

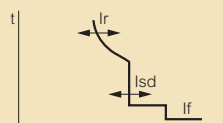
| Pack | Cat.Nos |        | Electronic release S2 MCCBs - fixed version                                                                                                                                                                                                   |
|------|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3P      | 4P     |                                                                                                                                                                                                                                               |
|      |         |        | Adjustment of $I_r$ , $I_{sd}$ , $T_r$ , $T_{sd}$ (opposite)<br>Instantaneous protection $I_f = 5$ kA<br>Green indicator lamp<br>Connector for test unit<br>Logic and dynamic selectivity<br>4P version: adjustment of neutral on front panel |
|      |         |        |                                                                                                                                                             |
|      |         |        | <b>Breaking capacity <math>I_{cu}</math> 36 kA (400 V~)</b>                                                                                                                                                                                   |
|      |         |        | $I_n$ (A)                                                                                                                                                                                                                                     |
| 1    | 256 26  | 256 30 | 250                                                                                                                                                                                                                                           |
| 1    | 256 27  | 256 31 | 400                                                                                                                                                                                                                                           |
| 1    | 256 28  | 256 32 | 630                                                                                                                                                                                                                                           |
|      |         |        | <b>Breaking capacity <math>I_{cu}</math> 70 kA (400 V~)</b>                                                                                                                                                                                   |
|      |         |        | $I_n$ (A)                                                                                                                                                                                                                                     |
| 1    | 256 35  | 256 39 | 400                                                                                                                                                                                                                                           |
| 1    | 256 36  | 256 40 | 630                                                                                                                                                                                                                                           |
|      |         |        | <b>Breaking capacity <math>I_{cu}</math> 100 kA (400 V~)</b>                                                                                                                                                                                  |
|      |         |        | $I_n$ (A)                                                                                                                                                                                                                                     |
| 1    | 256 43  | 256 47 | 400                                                                                                                                                                                                                                           |
| 1    | 256 44  | 256 48 | 630                                                                                                                                                                                                                                           |

| Earth leakage modules |        |        | Standard                                                                                                                                                                                                                                                                                                                       |
|-----------------------|--------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | 3P     | 4P     |                                                                                                                                                                                                                                                                                                                                |
|                       |        |        | Can be fitted onto DPX/DPX-I 630<br>Adjustable, sealable sensitivity:<br>0.03 - 0.3 - 1 - 3 A<br>Adjustable, time delay: 0 - 0.3 - 1 - 3 s<br>Test push-button<br>Reset push-button<br>Remote earth fault signalling contact<br>Switch for mechanical tests (installation insulation test)<br>Mounted underneath<br>230-500 V~ |
|                       |        |        | <b>LED version</b>                                                                                                                                                                                                                                                                                                             |
|                       |        |        | Monitors the isolation state of the installation via a series of LEDs                                                                                                                                                                                                                                                          |
|                       |        |        | $I_n$                                                                                                                                                                                                                                                                                                                          |
| 1                     | 260 60 | 260 61 | 400 A                                                                                                                                                                                                                                                                                                                          |
| 1                     | 260 64 | 260 65 | 630 A                                                                                                                                                                                                                                                                                                                          |
|                       |        |        | <b>LED version</b>                                                                                                                                                                                                                                                                                                             |
|                       |        |        | Monitors the isolation state of the installation via a series of LEDs                                                                                                                                                                                                                                                          |
|                       |        |        | $I_n$                                                                                                                                                                                                                                                                                                                          |
| 1                     | 260 63 |        | 400 A                                                                                                                                                                                                                                                                                                                          |
| 1                     | 260 67 |        | 630 A                                                                                                                                                                                                                                                                                                                          |

## DPX™ 630

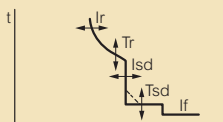
### ■ Performance data

#### S1 - Adjustment of $I_r$ , $I_{sd}$



- Long delay protection against overloads with an adjustable threshold based on the rms value of the current:  
 $I_r = 0.4 - 0.5 - 0.7 - 0.8 - 0.95 - 1 \times I_n$  (8 steps)  
 $T_r = 5$  s (fixed at 6 tr)
- Short delay protection against short-circuits with an adjustable  $I_m$  threshold:  
 $I_{sd} = 1.5 - 2 - 3 - 4 - 5 - 6 - 8 - 10 \times I_r$  (8 steps)  
 $T_{sd} = 0.05$  s (fixed)
- Instantaneous protection  
if with fixed threshold:  $I_f = 5$  kA

#### S2 - Adjustment of $I_r$ , $T_r$ , $I_{sd}$ , $T_{sd}$



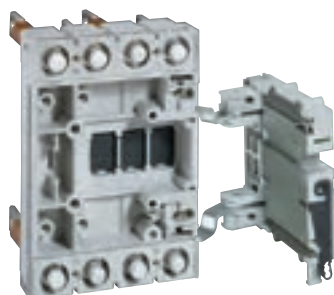
- Long delay protection against overloads with an adjustable threshold based on the rms value of the current:  
 $I_r = 0.4 - 0.5 - 0.7 - 0.8 - 0.9 - 0.95 - 1 \times I_n$  (8 steps)  
 $T_r = 5 - 10 - 20 - 30$  s (at 6  $I_r$ ) (4 steps)
- Short delay protection against short-circuits with an adjustable  $I_{sd}$  threshold:  
 $I_{sd} = 1.5 - 2 - 3 - 4 - 5 - 6 - 8 - 10 \times I_r$  (8 steps)  
 $T_{sd} = 0 - 0.1 - 0.2 - 0.3$  s (4 steps)  
 $T_{sd} = 0.01 - 0.1 - 0.2 - 0.3$  s at  $12 \times I_r$  ( $I_2 t$  constant) (4 steps)
- Instantaneous protection against short-circuits  
with fixed threshold:  $I_f = 5$  kA



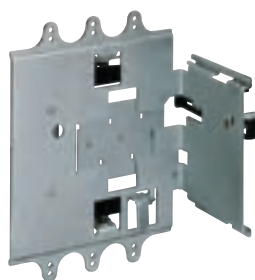
For DPX-L 630 100 kA and Sg electronic release version, please consult us

# DPX™ 630

## equipment and accessories



265 57



265 67



262 50



262 51



262 48

| Pack | Cat.Nos |        | Plug-in version                                                             |
|------|---------|--------|-----------------------------------------------------------------------------|
|      | 3P      | 4P     |                                                                             |
| 1    | 265 50  | 265 51 | <b>A plug-in is a DPX fitted with tulip contacts mounted on a base</b>      |
|      |         |        | <b>Tulip contacts</b>                                                       |
|      |         |        | Set of tulip contacts (supplied with an incoming/outgoing protective cover) |
|      |         |        | <b>Bases for DPX only</b>                                                   |
|      |         |        | Accept DPX/DPX-I fitted with tulip contacts                                 |
| 1    | 265 52  | 265 53 | Front terminal mounting base                                                |
| 1    | 265 54  | 265 55 | Rear terminal mounting base with threaded rod                               |
| 1    | 265 56  | 265 57 | Flat rear terminal mounting base                                            |
|      | 4P      |        | <b>Bases for DPX with earth leakage module</b>                              |
| 1    | 265 58  |        | Front terminal mounting base                                                |
| 1    | 265 59  |        | Rear terminal mounting base with threaded rod                               |
| 1    | 265 60  |        | Flat rear terminal mounting base                                            |
|      |         |        | <b>Accessories</b>                                                          |
| 1    | 263 68  |        | Set of 2 extractor handle                                                   |
| 1    | 263 99  |        | Set of connectors (8-pin)                                                   |

| Pack | Cat.Nos |        | Draw-out version                                                                                                                                       |
|------|---------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3P      | 4P     |                                                                                                                                                        |
| 1    | 265 66  | 265 67 | <b>A DPX draw-out version is a plug-in DPX fitted with a "Debro-lift" mechanism which can be used to withdraw the DPX while keeping it on its base</b> |
| 1    | 265 66  | 265 68 | <b>"Debro-lift" mechanism</b>                                                                                                                          |
|      |         |        | Supplied with a rigid slide and handle for drawing-out                                                                                                 |
|      |         |        | For DPX base only                                                                                                                                      |
|      |         |        | For DPX base with earth leakage module                                                                                                                 |
|      |         |        | <b>Key-lock for "Debro-lift" mechanism</b>                                                                                                             |
|      |         |        | Enable locking of DPX in drawn-out position                                                                                                            |
| 1    | 265 76  |        | 1 key Ronis for DPX only                                                                                                                               |
| 1    | 265 78  |        | 1 key Ronis for motorised DPX or with rotary handle                                                                                                    |
|      |         |        | <b>Accessories for "Debro-lift" mechanism</b>                                                                                                          |
| 1    | 265 75  |        | Isolated handle for drawing-out                                                                                                                        |
| 1    | 265 74  |        | Signalling contact (plugged-in/drawn-out)                                                                                                              |

| Pack | Cat.Nos |  | Supply inverter type                                                         |
|------|---------|--|------------------------------------------------------------------------------|
|      |         |  | <b>Factory assembled</b>                                                     |
|      |         |  | A supply inverter type is composed of one plate with interlock for 2 devices |
| 1    | 264 09  |  | Plate for MCCB or trip-free switch fixed version                             |
| 1    | 264 04  |  | Plate for MCCB or trip-free switch plug-in and draw-out version              |

| Pack | Cat.Nos |  | Rotary handles                                                                     |
|------|---------|--|------------------------------------------------------------------------------------|
|      |         |  | <b>Direct on DPX</b>                                                               |
|      |         |  | Standard (grey)                                                                    |
| 1    | 262 41  |  | For emergency use (red/yellow) - can be fitted on Cat.Nos 262 22, 262 41 or 262 81 |

| Pack | Cat.Nos |  | Rotary handles (continued)                                                                                         |
|------|---------|--|--------------------------------------------------------------------------------------------------------------------|
|      |         |  | <b>Vari-depth handle IP 55</b>                                                                                     |
|      |         |  | Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism |
|      |         |  | Standard (grey)                                                                                                    |
| 1    | 262 81  |  | For emergency use (red/yellow) can be fitted on Cat.Nos 262 81 or 262 41                                           |
| 1    | 262 82  |  |                                                                                                                    |
|      |         |  | <b>Locking accessories</b>                                                                                         |
| 1    | 262 92  |  | Eurolocks for vari-depth handle                                                                                    |
| 1    | 262 93  |  | Profalux for vari-depth handle                                                                                     |
| 1    | 262 94  |  | Ronis for vari-depth handle                                                                                        |
| 1    | 262 25  |  | Eurolocks for direct handle                                                                                        |
|      |         |  | <b>Motor-driven handles</b>                                                                                        |
|      |         |  | <b>Front operated</b>                                                                                              |
|      |         |  | 24 V~/=                                                                                                            |
|      |         |  | 230 V~                                                                                                             |
|      |         |  | <b>Accessory</b>                                                                                                   |
|      |         |  | Ronis locking accessory                                                                                            |

| Pack | Cat.Nos |        | Accessories                                                                                     |
|------|---------|--------|-------------------------------------------------------------------------------------------------|
|      |         |        | <b>Insulated shields</b>                                                                        |
| 1    | 262 30  |        | Set of 3                                                                                        |
|      | 3P      | 4P     |                                                                                                 |
| 1    | 262 44  | 262 45 | <b>Sealable terminal shields</b>                                                                |
|      |         |        | Set of 2                                                                                        |
|      |         |        | <b>Padlock</b>                                                                                  |
|      |         |        | For locking in "OPEN" position                                                                  |
|      |         |        | <b>Cage terminals</b>                                                                           |
| 1    | 262 50  |        | Set of 4 terminals for cable 300 mm² max. (rigid) or 240 mm² max. (flexible)                    |
| 1    | 262 51  |        | Set of 4 high-capacity terminals for cable 2 x 240 mm² (rigid) or 2 x 185 mm² (flexible)        |
|      |         |        | <b>Adaptor for lug</b>                                                                          |
|      |         |        | For connecting bare cables with wide lugs                                                       |
| 1    | 262 46  |        | Set of 4 adaptors + insulated shields                                                           |
|      |         |        | <b>Extended front terminals</b>                                                                 |
|      |         |        | Set of 4                                                                                        |
|      |         |        | <b>Spreaders</b>                                                                                |
| 1    | 262 48  | 262 49 | Set of incoming or outgoing spreaders                                                           |
|      |         |        | <b>Rear terminals</b>                                                                           |
|      |         |        | Used to convert the fixed version with front terminals to the fixed version with rear terminals |
| 1    | 263 50  | 263 51 | Set of incoming or outgoing swivel terminals                                                    |
| 1    | 263 52  | 263 53 | Set of incoming or outgoing flat terminals                                                      |

# DPX™ 1250 and 1600

thermal magnetic and electronic release MCCBs from 800 to 1600 A



258 16



258 23



Dimensions (p. 59)  
Electrical characteristics (p. 62-63)

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines

Can be fitted with auxiliaries (integrated terminal blocks)

Can be used with earth leakage modules or with residual current relays (p. 43)

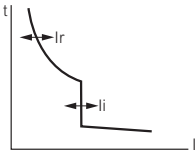
Supplied complete with:

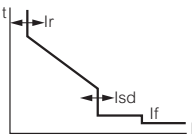
- connection plates for bars

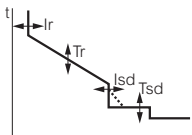
- terminal shields

Conform to IEC 60947-2

Fixed version - Sealable adjustment

| Pack | Cat.Nos |                       | Thermal magnetic MCCBs - fixed version                                                                                                                                |
|------|---------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3P      | 4P                    |                                                                                                                                                                       |
| 1    | 258 02  | 258 09 <sup>(1)</sup> | Thermal adjustable from 0.8 to 1 In<br>Magnetic adjustable from:<br>5 to 10 In<br> |
| 1    | 258 03  | 258 10 <sup>(1)</sup> |                                                                                                                                                                       |
| 1    | 258 04  | 258 11 <sup>(1)</sup> |                                                                                                                                                                       |
|      |         |                       | <b>Breaking capacity Icu 50 kA (400 V~)</b>                                                                                                                           |
|      |         |                       | In (A)<br>800<br>1000<br>1250                                                                                                                                         |
|      |         |                       | <b>Breaking capacity Icu 70 kA (400 V~)</b>                                                                                                                           |
|      |         |                       | In (A)<br>800<br>1000<br>1250                                                                                                                                         |
| 1    | 258 16  | 258 23 <sup>(1)</sup> |                                                                                                                                                                       |
| 1    | 258 17  | 258 24 <sup>(1)</sup> |                                                                                                                                                                       |
| 1    | 258 18  | 258 25 <sup>(1)</sup> |                                                                                                                                                                       |

|   |        |                       | Electronic release S1 MCCBs - fixed version                                                                                                                                                                                                                                                                                                                                              |
|---|--------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | 3P     | 4P                    |                                                                                                                                                                                                                                                                                                                                                                                          |
| 1 | 257 02 | 257 06 <sup>(2)</sup> | Adjustment of Ir, Isd<br>Instantaneous protection If = 20 kA (for In 1600 A)<br>Indicator lamp<br>Minimum current for indicator lamp operation (20 % In): green:<br>normal;<br>fixed red: $I \geq 0.9 I_r$ ;<br>flashing red: $I \geq 1.05 I_r$<br>Connector for test unit<br>Dynamic selectivity<br> |
| 1 | 257 03 | 257 07 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                          |
| 1 | 257 04 | 257 08 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                          |
|   |        |                       | <b>Breaking capacity Icu 50 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                                              |
|   |        |                       | In (A)<br>800<br>1250<br>1600                                                                                                                                                                                                                                                                                                                                                            |
|   |        |                       | <b>Breaking capacity Icu 70 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                                              |
|   |        |                       | In (A)<br>800<br>1250<br>1600                                                                                                                                                                                                                                                                                                                                                            |
| 1 | 257 10 | 257 14 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                          |
| 1 | 257 11 | 257 15 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                          |
| 1 | 257 12 | 257 16 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                          |

| Pack | Cat.Nos |                       | Electronic release S2 MCCBs - fixed version                                                                                                                                                                                                                                                                                                                                                                   |
|------|---------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3P      | 4P                    |                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1    | 257 26  | 257 30 <sup>(2)</sup> | Adjustment of Ir, Isd, Tr, Tsd<br>Instantaneous protection If = 20 kA (for In 1600 A)<br>Indicator lamp<br>Minimum current for indicator lamp operation (20 % In): green:<br>normal;<br>fixed red: $I \geq 0.9 I_r$ ;<br>flashing red: $I \geq 1.05 I_r$<br>Connector for test unit<br>Logic and dynamic selectivity<br> |
| 1    | 257 27  | 257 31 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1    | 257 28  | 257 32 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                                               |
|      |         |                       | <b>Breaking capacity Icu 50 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                                                                   |
|      |         |                       | In (A)<br>800<br>1250<br>1600                                                                                                                                                                                                                                                                                                                                                                                 |
|      |         |                       | <b>Breaking capacity Icu 70 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                                                                   |
|      |         |                       | In (A)<br>800<br>1250<br>1600                                                                                                                                                                                                                                                                                                                                                                                 |
| 1    | 257 34  | 257 38 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1    | 257 35  | 257 39 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1    | 257 36  | 257 40 <sup>(2)</sup> |                                                                                                                                                                                                                                                                                                                                                                                                               |

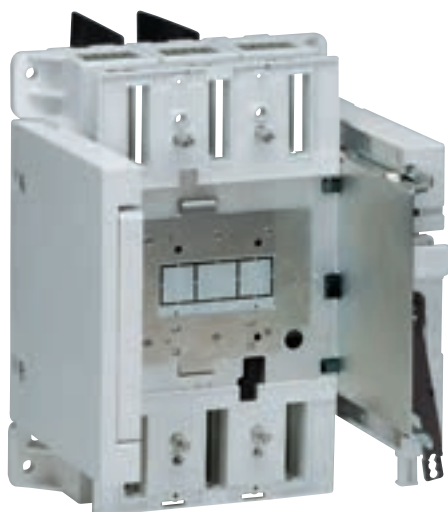


For DPX-L 1250 100 kA and Sg electronic release version, please consult us

(1) Neutral without protection  
(2) Neutral settings 0 - 0.5 - 1 N (0 - 50% - 100% Neutral)

## DPX™ 1600

equipment and accessories



265 84 (supplied assembled)



262 60



262 70



262 67 + 262 68

| Pack | Cat.Nos   | Draw-out version                                                                                                                                |
|------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|      |           | A DPX draw-out version is a plug-in DPX fitted with a "Debro-lift" mechanism which can be used to withdraw the DPX while keeping it on its base |
|      |           | <b>Draw-out base</b>                                                                                                                            |
|      |           | Base for DPX 1600 supplied with "Debro-lift" assembled a rigid slide and handle for drawing-out                                                 |
| 1    | 3P 265 82 | Front terminals                                                                                                                                 |
| 1    | 4P 265 83 | Rear terminals                                                                                                                                  |
|      |           | <b>Key lock for "Debro-lift" mechanism</b>                                                                                                      |
|      |           | Enable locking of DPX in drawn-out position                                                                                                     |
| 1    | 265 76    | One key Ronis for DPX only                                                                                                                      |
| 1    | 265 80    | Two key Ronis (one key supplied) for motorised DPX or with rotary handle                                                                        |
|      |           | <b>Accessories for "Debro-lift" mechanism</b>                                                                                                   |
| 1    | 265 75    | Isolated handle for drawing-out                                                                                                                 |
| 1    | 265 74    | Signalling contact (plugged-in/drawn-out)                                                                                                       |

| Pack | Cat.Nos | Supply inverter type                                                         |
|------|---------|------------------------------------------------------------------------------|
|      |         | A supply inverter type is composed of one plate with interlock for 2 devices |
| 1    | 264 10  | Plate for MCCBs or trip-free switch fixed version                            |
| 1    | 264 05  | Plate for MCCBs or trip-free switch plug-in and draw-out version             |

| Pack | Cat.Nos | Rotary handles                                                                                                     |
|------|---------|--------------------------------------------------------------------------------------------------------------------|
|      |         | <b>Direct on DPX</b>                                                                                               |
| 1    | 262 61  | Standard (black)                                                                                                   |
|      |         | <b>Vari-depth handle IP 55</b>                                                                                     |
|      |         | Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism |
| 1    | 262 83  | Standard (black)                                                                                                   |
| 1    | 262 84  | For emergency use (red/yellow)                                                                                     |
|      |         | <b>Locking accessories</b>                                                                                         |
| 1    | 262 92  | Eurolocks for vari-depth handle                                                                                    |
| 1    | 262 93  | Profalux for vari-depth handle                                                                                     |
| 1    | 262 94  | Ronis for vari-depth handle                                                                                        |
| 1    | 262 25  | Eurolocks for direct handle                                                                                        |

| Pack | Cat.Nos   | Motor-driven handles                                                                                                                            |
|------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|      |           | <b>Factory assembled</b>                                                                                                                        |
| 1    | 261 54    | Front operated<br>230 V~                                                                                                                        |
|      |           | <b>For DPX1600 up to 1250 A</b>                                                                                                                 |
| 1    | 261 24    | Front operated<br>24 V~/=                                                                                                                       |
| 1    | 261 25    | 48 V~/=                                                                                                                                         |
| 1    | 261 23    | 230 V~/=                                                                                                                                        |
|      |           | <b>For DPX1600 In = 1600 A</b>                                                                                                                  |
| 1    | 261 19    | 24 V~/=                                                                                                                                         |
| 1    | 261 28    | 48 V~/=                                                                                                                                         |
| 1    | 261 27    | 230 V~/=                                                                                                                                        |
|      |           | <b>Locking accessory for motor-driven handles</b>                                                                                               |
| 1    | 261 59    | Ronis locking accessory                                                                                                                         |
| 1    | 261 58    | Profalux locking accessory                                                                                                                      |
|      |           | <b>Accessories</b>                                                                                                                              |
|      |           | <b>Insulated shields</b>                                                                                                                        |
|      |           | Used to isolate the connections between each pole                                                                                               |
| 1    | 262 66    | Set of 3                                                                                                                                        |
|      |           | <b>Sealable terminal shields</b>                                                                                                                |
| 1    | 3P 262 64 | Set of 2                                                                                                                                        |
|      |           | <b>Padlock</b>                                                                                                                                  |
| 1    | 262 60    | For locking in "open" position                                                                                                                  |
|      |           | <b>Cage terminals</b>                                                                                                                           |
| 1    | 262 69    | Set of 1 terminal for cables without lug<br>2 x 240 mm <sup>2</sup> for rigid cable or<br>2 x 185 mm <sup>2</sup> for flexible cable            |
| 1    | 262 70    | Set of 1 high-capacity terminal for cables without lug<br>4 x 240 mm <sup>2</sup> for rigid cable<br>4 x 185 mm <sup>2</sup> for flexible cable |
|      |           | <b>Extended front terminals</b>                                                                                                                 |
|      |           | Set of 4                                                                                                                                        |
| 1    | 262 67    | Short terminals for 630 - 1250 A (2 bars max. per pole)                                                                                         |
| 1    | 262 68    | Long terminals for 1600 A (3 bars max. per pole)                                                                                                |
|      |           | <b>Spreaders</b>                                                                                                                                |
| 1    | 3P 262 73 | Set of incoming or outgoing spreaders                                                                                                           |
|      |           | <b>Rear terminals</b>                                                                                                                           |
|      |           | Used to convert the fixed version with front terminals to the fixed version with rear terminals                                                 |
|      |           | Set of incoming or outgoing rear terminals                                                                                                      |
| 1    | 263 80    | Short terminals                                                                                                                                 |
| 1    | 263 81    | Long terminals                                                                                                                                  |
|      |           | 263 82                                                                                                                                          |
|      |           | 263 83                                                                                                                                          |

Red catalogue numbers: New products

## DPX™ auxiliaries for DPX, DPX-I and DPX-IS



261 85



261 93

| Pack | Cat.Nos | Auxiliary contact or fault signal                                                                                                    |
|------|---------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 261 60  | For signalling the state of the contacts or opening of the MCCB on a fault<br>For DPX/DPX-I/DPX-IS<br>Changeover switch 3 A - 240 V~ |

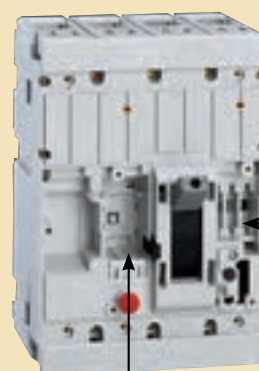
|   |        | Releases                                                               |
|---|--------|------------------------------------------------------------------------|
|   |        | Allow remote tripping of a DPX                                         |
|   |        | <b>Shunt releases</b>                                                  |
|   |        | For DPX-IS/DPX-I and DPX                                               |
|   |        | Shunt inrush power 300 VA                                              |
| 1 | 261 64 | Coil voltage 24 V~/=                                                   |
| 1 | 261 65 | Coil voltage 48 V~/=                                                   |
| 1 | 261 66 | Coil voltage 110 V~/=                                                  |
| 1 | 261 67 | Coil voltage 230 V~/=                                                  |
| 1 | 261 68 | Coil voltage 400 V~/=                                                  |
|   |        | <b>Undervoltage releases</b>                                           |
|   |        | For DPX-IS/DPX-I and DPX                                               |
|   |        | Undervoltage power consumption 5 VA                                    |
| 1 | 261 70 | Coil voltage 24 V=                                                     |
| 1 | 261 71 | Coil voltage 24 V~                                                     |
| 1 | 261 72 | Coil voltage 48 V=                                                     |
| 1 | 261 76 | Coil voltage 110 V~                                                    |
| 1 | 261 73 | Coil voltage 230 V~                                                    |
| 1 | 261 74 | Coil voltage 400 V~                                                    |
|   |        | <b>Time-lag (ms) undervoltage releases</b>                             |
|   |        | Allow remote tripping of a DPX                                         |
|   |        | Prevent false tripping in the event of AC supply microbreaks           |
|   |        | Require a time-lag module connected to the undervoltage releases below |
| 1 | 261 90 | Time-lag modules 230 V~                                                |
| 1 | 261 91 | Time-lag modules 400 V~                                                |
| 1 | 261 75 | Undervoltage releases<br>For DPX -IS 250, 630                          |
| 1 | 261 85 | Undervoltage releases<br>For DPX 250 to 1600 and DPX-IS 1600           |

Number of modules  
3  
3

| Pack | Cat.Nos | Electronic test unit                                                                  |
|------|---------|---------------------------------------------------------------------------------------|
| 1    | 261 97  | Test connector and software for connecting DPX to a PC<br>Supplied with test software |

| Pack | Cat.Nos | Automation control unit                                                                                                             |
|------|---------|-------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 261 93  | For setting the conditions for supply inversion, generator on loft status acquisition for DMX and DPX circuit-breakers, open/closed |
| 1    | 261 94  | Power supply: 230 V~ and 12-24-48 V=                                                                                                |
|      |         | Connection by plug-in terminals                                                                                                     |
|      |         | Standard unit                                                                                                                       |
|      |         | Communicating unit, enabling data transmission (RS 485 port)                                                                        |

## DPX™ auxiliaries for DPX, DPX-I and DPX-IS



Auxiliary contact or fault signal

A single Cat.No 261 60 auxiliary contact or fault signal



Undervoltage releases



Shunt releases



Time-lag undervoltage releases

### Max. number of contacts per DPX-IS device

|                 | Device     | Auxiliary contact |      |    | Shunt release or undervoltage release |
|-----------------|------------|-------------------|------|----|---------------------------------------|
|                 |            | AC                | EBAC | FS |                                       |
| Without release | DPX-IS 250 | 1                 | 2    | –  | –                                     |
| With release    | DPX-IS 250 | 1                 | 1    | 1  | 1                                     |

AC = auxiliary contact  
EBAC = "early" auxiliary contact  
FS = break on trip contact

### Max. number of contacts per DPX device

| Device   | Auxiliary contact |    | Shunt release or undervoltage release |
|----------|-------------------|----|---------------------------------------|
|          | AC                | FS |                                       |
| DPX 250  | 2                 | 1  | 1                                     |
| DPX 630  | 2                 | 2  | 1                                     |
| DPX 1600 | 3                 | 1  | 1                                     |

## residual current relay and coils



Add residual current protection to DPX<sup>3</sup>/DPX trip-free switches and DPX<sup>3</sup>/DPX MCCBs equipped with release

| Pack | Cat.Nos | Residual current relay for DPX/DPX <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 260 88  | <p>Detects fault currents, and, when used with a shunt trip or an undervoltage release, it gives the trip command to a MCCB or a switch</p> <ul style="list-style-type: none"> <li>Comprises: <ul style="list-style-type: none"> <li>a tinged, sealable window</li> <li>an auxiliary contact</li> <li>a green Led indicating energisation</li> <li>3 yellow Leds indicating respectively the max. phase earth insulation current: 20, 40 and 60 %</li> <li>a red Led indicating</li> </ul> </li> <li>Fixed: exceeding of the insulation fault current value</li> <li>Flashing: breaking of one of the connections between coils and relays</li> <li>For use with coils: <ul style="list-style-type: none"> <li>Ø35 and 80 mm</li> <li>Adjustable sensitivity: 0.03, 0.05, 0.075, 0.1, 0.15, 0.2, 0.3, 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A</li> <li>Ø110 to 210 mm</li> <li>Adjustable sensitivity: 0.3, 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A</li> <li>Ø150 mm</li> <li>Adjustable sensitivity: 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A</li> <li>Ø300 mm</li> <li>Adjustable sensitivity: 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A</li> </ul> </li> <li>Adjustable trip: 0, 0.15, 0.25, 0.5, 1, 2.5, 5 seconds</li> <li>Supply voltage: 230/240 V - 50/60 Hz</li> </ul> |
|      |         | Number of modules 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

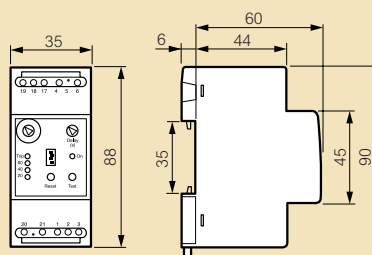
|   |        | Coils                                             |
|---|--------|---------------------------------------------------|
| 1 | 260 92 | For use with residual current relay Cat.No 260 88 |
| 1 | 260 93 | 1 coil per DPX, DPX-I and DPX <sup>3</sup>        |
| 1 | 260 94 | Coil Ø35 mm - 160 A max.                          |
| 1 | 260 95 | Coil Ø80 mm - 400 A max.                          |
| 1 | 260 96 | Coil Ø110 mm - 600 A max.                         |
| 1 | 260 97 | Coil Ø140 mm - 1200 A max.                        |
| 1 | 260 98 | Coil Ø210 mm - 1800 A max.                        |
| 1 | 260 99 | Coil Ø150 mm - open - 1200 A max.                 |
| 1 | 260 98 | Coil Ø300 mm - open - 2000 A max.                 |

|    |        |                                                                                                                                                                                         |                                          |                                        |                                           |            |
|----|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|-------------------------------------------|------------|
|    |        | <b>Viking 3 disconnecter block for measurement 1 connection</b>                                                                                                                         |                                          |                                        |                                           |            |
|    |        | With its accessories, allows intervention (measurement, maintenance, etc) on a current, voltage and power measuring circuit by keeping the current transformer secondary circuit closed |                                          |                                        |                                           |            |
|    |        | Colour                                                                                                                                                                                  | Nominal cross section (mm <sup>2</sup> ) | Capacity rigid wire (mm <sup>2</sup> ) | Capacity Flexible wire (mm <sup>2</sup> ) | Pitch (mm) |
| 25 | 371 92 | Grev                                                                                                                                                                                    | 4                                        | 0.25 to 4                              | 0.25 to 4                                 | 8          |

## residual current relay and coils

### Residual current relay

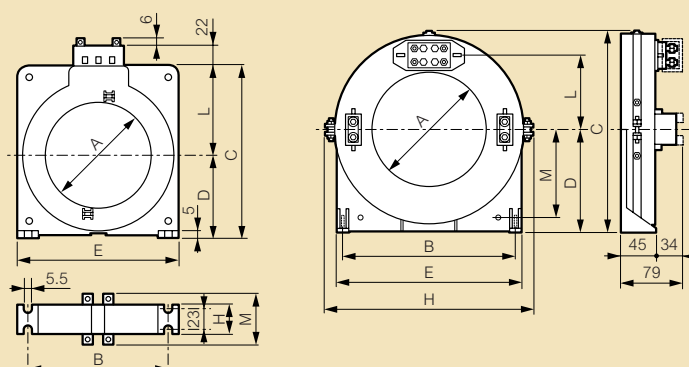
Cat.No 260 88



### Coils

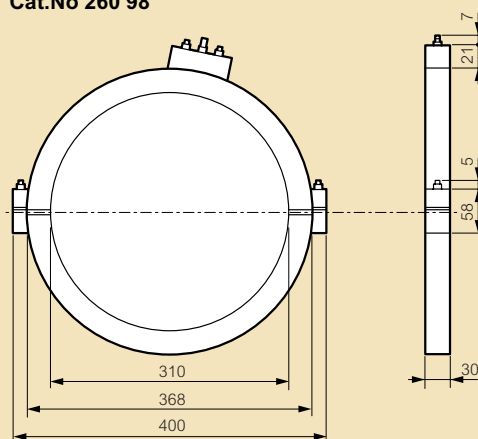
Cat.Nos 260 92/93/94/95/96

Cat.No 260 97



| Cat.No | A   | B   | C   | D   | E   | H   | L   | M   |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| 260 92 | 35  | 75  | 85  | 42  | 92  | 36  | 43  | 56  |
| 260 93 | 80  | 108 | 132 | 67  | 125 | 36  | 65  | 56  |
| 260 94 | 110 | 148 | 170 | 86  | 165 | 36  | 84  | 56  |
| 260 95 | 140 | 177 | 206 | 104 | 200 | 36  | 102 | 56  |
| 260 96 | 210 | 270 | 295 | 150 | 290 | 44  | 145 | 64  |
| 260 97 | 150 | 225 | 259 | 133 | 245 | 275 | 95  | 113 |

Cat.No 260 98



**DPX<sup>3</sup>/DPX magnetic only**  
motor protection MCCBs up to 400 A



420 713

 *Dimensions (see opposite)*

For switching, control isolation and protection of three-phase motors  
Conform to IEC 60947-2

| Pack | Cat.Nos | DPX <sup>3</sup> 160                                                                                                                                                                                                                                                                                                                                  |
|------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         | Fixed magnetic<br>Can be mounted on rail  or on plate in XL <sup>3</sup> cabinets and enclosures<br>Supplied with cage terminals 70 mm <sup>2</sup> max. (flexible cable) and up to 95 mm <sup>2</sup> max. with accessory<br>Can be fitted with auxiliaires (p. 32) |
|      | 3P      | <b>Breaking capacity Icu 16 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                           |
|      | In (A)  |                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 420 710 | 16                                                                                                                                                                                                                                                                                                                                                    |
| 1    | 420 711 | 25                                                                                                                                                                                                                                                                                                                                                    |
| 1    | 420 712 | 50                                                                                                                                                                                                                                                                                                                                                    |
| 1    | 420 713 | 63                                                                                                                                                                                                                                                                                                                                                    |
|      |         | <b>Breaking capacity Icu 25 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                           |
| 1    | 420 714 | 16                                                                                                                                                                                                                                                                                                                                                    |
| 1    | 420 715 | 25                                                                                                                                                                                                                                                                                                                                                    |
| 1    | 420 716 | 50                                                                                                                                                                                                                                                                                                                                                    |
| 1    | 420 717 | 63                                                                                                                                                                                                                                                                                                                                                    |

| Pack | Cat.Nos | DPX 630 electronic                                                                                                         |
|------|---------|----------------------------------------------------------------------------------------------------------------------------|
|      |         | Adjustable<br>Can be mounted on plate in XL <sup>3</sup> cabinets and enclosures<br>Can be fitted with auxiliaires (p. 42) |
|      | 3P      | <b>Breaking capacity Icu 36 kA (400 V~)</b>                                                                                |
|      | In (A)  |                                                                                                                            |
| 1    | 420 726 | 320                                                                                                                        |
| 1    | 420 727 | 400                                                                                                                        |
|      |         | <b>Breaking capacity Icu 70 kA (400 V~)</b>                                                                                |
| 1    | 420 728 | 320                                                                                                                        |
| 1    | 420 729 | 400                                                                                                                        |

|   |         |                                                                                                                                                                                                                                                                                                                                                                |
|---|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |         | <b>DPX<sup>3</sup> 250</b>                                                                                                                                                                                                                                                                                                                                     |
|   |         | Adjustable magnetic<br>Can be mounted on rail  or on plate in XL <sup>3</sup> cabinets and enclosures<br>Supplied with cage terminals 120 mm <sup>2</sup> max. (flexible cable) and up to 150 mm <sup>2</sup> max. with accessory<br>Can be fitted with auxiliaires (p. 32) |
|   | 3P      | <b>Breaking capacity Icu 36 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                    |
|   | In (A)  |                                                                                                                                                                                                                                                                                                                                                                |
| 1 | 420 718 | 100                                                                                                                                                                                                                                                                                                                                                            |
| 1 | 420 719 | 160                                                                                                                                                                                                                                                                                                                                                            |
| 1 | 420 720 | 200                                                                                                                                                                                                                                                                                                                                                            |
| 1 | 420 721 | 250                                                                                                                                                                                                                                                                                                                                                            |
|   |         | <b>Breaking capacity Icu 25 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                                    |
| 1 | 420 722 | 100                                                                                                                                                                                                                                                                                                                                                            |
| 1 | 420 723 | 160                                                                                                                                                                                                                                                                                                                                                            |
| 1 | 420 724 | 200                                                                                                                                                                                                                                                                                                                                                            |
| 1 | 420 725 | 250                                                                                                                                                                                                                                                                                                                                                            |

## DPX-I™ trip-free switches 125 to 1600 A



Dimensions (p. 54 to 59)

Trip-free switches for on-load circuit breaking and isolation of low voltage electrical circuits

Can be associated to earth leakage modules or to corresponding DPX residual current relays (p. 43)

Mount on rail  up to DPX<sup>3</sup> 250 with plate Cat.No 421 072 (DPX<sup>3</sup>-I 160) and Cat.No 421 071 (DPX<sup>3</sup> 250)

Conform to IEC 60947-3

Category of use AC 23 A

Connection identical to corresponding DPX

| Pack | Cat.Nos                                 | DPX <sup>3</sup> -I 160 |
|------|-----------------------------------------|-------------------------|
| 1    | 3P   4P<br>420 198   420 199            | In (A)<br>160           |
| 1    | 4P with earth leakage module<br>420 197 | 160                     |

| Pack | Cat.Nos                                 | DPX <sup>3</sup> -I 250 |
|------|-----------------------------------------|-------------------------|
| 1    | 3P   4P<br>420 299   420 300            | In (A)<br>250           |
| 1    | 4P with earth leakage module<br>420 298 | 250                     |

| Pack | Cat.Nos                    | DPX-I 250     |
|------|----------------------------|---------------|
| 1    | 3P   4P<br>253 98   253 99 | In (A)<br>250 |

| Pack | Cat.Nos                    | DPX-I 630     |
|------|----------------------------|---------------|
| 1    | 3P   4P<br>255 86   255 87 | In (A)<br>400 |
| 1    | 255 88   255 89            | 630           |

| Pack | Cat.Nos                    | DPX-I 1600    |
|------|----------------------------|---------------|
| 1    | 3P   4P<br>257 94   257 95 | In (A)<br>800 |
| 1    | 257 96   257 97            | 1250          |
| 1    | 257 98   257 99            | 1600          |

**Common auxiliaries to DPX<sup>3</sup>** (p. 32)  
**and DPX** (p. 42)

## DPX-I™ trip-free switches 125 to 1600 A

### ■ Electrical characteristics

|                                                                    | DPX <sup>3</sup> -I 160     | DPX <sup>3</sup> -I 250 | DPX-I 250 | DPX-I 630 | DPX-I 1600          |
|--------------------------------------------------------------------|-----------------------------|-------------------------|-----------|-----------|---------------------|
| Rated operating voltage U <sub>e</sub> (V)                         | 50/60 Hz 690 <sup>(1)</sup> | 690 <sup>(1)</sup>      | 690       | 690       | 690                 |
| direct                                                             | 250                         | 250                     | 250       | 250       | 250                 |
| Rated insulation voltage U <sub>i</sub> (V~)                       | 800                         | 800                     | 690       | 690       | 690                 |
| Rated impulse withstand voltage U <sub>imp</sub> (kV)              | 8                           | 8                       | 8         | 8         | 8                   |
| Rated closing capacity on 400 V short-circuit I <sub>cm</sub> (kA) | 3                           | 3                       | 4.3       | 13        | 40                  |
| Short-time resistive current t = 1 s I <sub>cw</sub> (kA)          | 1.7                         | 1.7                     | 2.5       | 7.6       | 20                  |
| Endurance (o.c cycle)                                              |                             |                         |           |           |                     |
| mechanical                                                         | 25000                       | 25000                   | 20000     | 15000     | 10000               |
| electrical                                                         | 8000                        | 8000                    | 8000      | 5000      | 2000 <sup>(2)</sup> |
| Conventional thermal current (A)                                   | 160                         | 250                     | 250       | 630       | 1600                |
| Nominal current of use (A) AC 23 A (690 V~)                        | 160 (160 V)                 | 250 (250 V)             | 250       | 630       | 1600                |
| DC 23 A (250 V~)                                                   | 160                         | 160                     | 250       | 630       | -                   |

(1) 500 V for DPX<sup>3</sup> - I with earth leakage module

(2) Up to 1250 A

### ■ Dimensions

Dimensions of DPX-I identical to corresponding DPX

| DPX-I                   | Dimensions                       |
|-------------------------|----------------------------------|
| DPX <sup>3</sup> -I 160 | DPX <sup>3</sup> 160 (see p. 54) |
| DPX <sup>3</sup> -I 250 | DPX <sup>3</sup> 250 (see p. 55) |
| DPX-I 250               | DPX 250 (see p. 57)              |
| DPX-I 630               | DPX 630 (see p. 58)              |
| DPX-I 1600              | DPX 1600 (see p. 59)             |

### ■ Choice of faceplates and distribution equipment

Equipment of DPX-I identical to corresponding DPX<sup>3</sup>/DPX:

| Devices                                   | XL <sup>3</sup> 400 | XL <sup>3</sup> 800 | XL <sup>3</sup> 4000 |
|-------------------------------------------|---------------------|---------------------|----------------------|
| DPX <sup>3</sup> /DPX <sup>3</sup> -I 160 | (p. 46)             | (p. 48)             | (p. 50)              |
| DPX <sup>3</sup> /DPX <sup>3</sup> -I 250 | (p. 46)             | (p. 48)             | (p. 50)              |
| DPX/DPX-I 250                             | (p. 46)             | (p. 48)             | (p. 52)              |
| DPX/DPX-I 630                             | (p. 46)             | (p. 48)             | (p. 52)              |
| DPX/DPX-I 1600                            |                     | (p. 48)             | (p. 52)              |

# XL<sup>3</sup> 400

equipment selection

| Device                                                                   | Fixing               | Position   | Configuration                                                       | Fixing plate     |  |
|--------------------------------------------------------------------------|----------------------|------------|---------------------------------------------------------------------|------------------|--|
| FIXING ON PLATE                                                          |                      |            |                                                                     |                  |  |
| DPX <sup>3</sup> 160<br>(Combination possible with DPX <sup>3</sup> 250) | Cabinet or enclosure | vertical   | with or without integrated e.l.c.bs and without side motor operator | 202 11 + 421 071 |  |
|                                                                          |                      |            | with or without integrated e.l.c.bs and with side motor operator    | 202 11 + 421 068 |  |
|                                                                          |                      |            | direct rotary handle <sup>(1)</sup>                                 | 202 09           |  |
|                                                                          |                      |            | manual supply inverter <sup>(2)</sup>                               | 202 11 + 421 058 |  |
|                                                                          | Cable sleeve         | horizontal | with or without integrated e.l.c.bs                                 | 202 13           |  |
| DPX <sup>3</sup> 250<br>(Combination possible with DPX <sup>3</sup> 160) | Cabinet or enclosure | vertical   | with or without integrated e.l.c.bs and without side motor operator | 202 11 + 421 072 |  |
|                                                                          |                      |            | with or without integrated e.l.c.bs and with side motor operator    | 202 11 + 421 069 |  |
|                                                                          |                      |            | direct rotary handle <sup>(1)</sup>                                 | 202 09           |  |
|                                                                          |                      |            | manual supply inverter <sup>(2)</sup>                               | 202 11 + 421 058 |  |
|                                                                          | Cable sleeve         | horizontal | with or without integrated e.l.c.bs                                 | 202 15           |  |
| DPX 250                                                                  | Cabinet or enclosure | vertical   | 1 to 2 devices, no e.l.c.bs                                         | 202 20           |  |
|                                                                          |                      |            | device only in central position                                     | 202 21           |  |
|                                                                          |                      |            | 1 to 2 devices, with downstream e.l.c.bs                            | 202 22           |  |
|                                                                          |                      |            | with centred downstream e.l.c.bs                                    | 202 23           |  |
|                                                                          | Cable sleeve         | horizontal | with or without downstream e.l.c.bs                                 | 202 24           |  |
|                                                                          |                      | vertical   | device only                                                         | 202 28           |  |
|                                                                          |                      |            | with downstream e.l.c.bs                                            | 202 29           |  |
| DPX 630                                                                  | Cabinet or enclosure | vertical   | 1 device, no e.l.c.bs                                               | 202 20           |  |
|                                                                          |                      |            | device only in central position                                     | 202 21           |  |
|                                                                          |                      |            | 1 device, with e.l.c.bs                                             | 202 22           |  |
|                                                                          |                      |            | with centred downstream e.l.c.bs                                    | 202 23           |  |
|                                                                          | Cable sleeve         | horizontal | device only                                                         | 202 25           |  |
|                                                                          |                      | vertical   | device only                                                         | 202 28           |  |
|                                                                          |                      |            | with downstream e.l.c.bs                                            | 202 29           |  |

(1) Use curved doors only

(2) When the MCCB is fixed at the top or at the bottom of the enclosure, use 200 mm height faceplate Cat.No 202 15

(3) When the MCCB is equipped with terminal shields, use 400 mm height faceplate Cat.No 203 11

(4) When the MCCB is equipped with terminal shields, use 400 mm height faceplate Cat.No 203 17

Red catalogue numbers: New products

| Faceplate for devices |        |            |  |
|-----------------------|--------|------------|--|
| Height (mm)           | Metal  | Insulating |  |
| 300                   | 203 10 | 203 60     |  |
| 300                   | 203 10 | 203 60     |  |
| 300                   | 203 09 | -          |  |
| 300                   | 203 10 | 203 60     |  |
| 150                   | 203 13 | 203 65     |  |
| 300                   | 203 18 | -          |  |
| 300                   | 203 10 | 203 60     |  |
| 300                   | 203 10 | 203 60     |  |
| 300                   | 203 09 | -          |  |
| 300                   | 203 10 | 203 60     |  |
| 200                   | 203 17 | 203 66     |  |
| 300                   | 203 18 | -          |  |
| 400                   | 203 20 | 203 70     |  |
| 400                   | 203 21 | 203 71     |  |
| 600                   | 203 22 | 203 72     |  |
| 600                   | 203 23 | 203 73     |  |
| 200                   | 203 24 | 203 74     |  |
| 400                   | 203 28 | -          |  |
| 800                   | 203 29 | -          |  |
| 400                   | 203 20 | 203 70     |  |
| 400                   | 203 21 | 203 71     |  |
| 600                   | 203 22 | 203 72     |  |
| 600                   | 203 23 | 203 73     |  |
| 300                   | 203 25 | -          |  |
| 400                   | 203 28 | -          |  |
| 800                   | 203 29 | -          |  |



**202 11**  
Fixing plate equipped with a rail  
for mounting DPX<sup>3</sup> with fixing  
adaptor  
For vertical mounting



**202 13**  
Fixing plate for DPX<sup>3</sup> 160 thermal-magnetic  
For horizontal mounting



**203 10**  
1/4 turn metal faceplate  
for DPX<sup>3</sup> in vertical  
position  
Height 300 mm



**203 13**  
1/4 turn metal faceplate  
for DPX<sup>3</sup> 160 in vertical  
position  
Height 150 mm



**202 20**  
Fixing plate for 1 to 2  
DPX 250 or 1 DPX 630  
and 1 DPX 250  
For vertical mounting



**202 24**  
Fixing plate for 1 DPX 250  
with or without e.l.c.bs  
For horizontal mounting



**203 20**  
1/4 turn metal faceplate  
for 1 to 2 DPX 250 or 1  
DPX 630 and 1 DPX 250  
For vertical mounting  
Height 400 mm



**203 24**  
1/4 turn metal faceplate for  
1 DPX 250 with or without  
e.l.c.bs  
For horizontal mounting  
Height 200 mm



**202 17**  
Fixing plate for DPX<sup>3</sup> 160  
and DPX<sup>3</sup> 250  
For vertical mounting



**203 18**  
1/4 turn metal faceplate  
for DPX<sup>3</sup>  
Height 300 mm

# XL<sup>3</sup> 800

## equipment selection

| Device                                                                                        | Fixing                     | Position                  | Configuration                                         |  |
|-----------------------------------------------------------------------------------------------|----------------------------|---------------------------|-------------------------------------------------------|--|
|                                                                                               | XL³ 800 - 24 modules       |                           |                                                       |  |
| FIXING ON PLATE                                                                               |                            |                           |                                                       |  |
| DPX³ 160<br>(Combination possible with<br>DPX³ 250)                                           | Cabinet<br>or<br>enclosure | vertical                  | without side motor operator                           |  |
|                                                                                               |                            |                           | with side motor operator                              |  |
|                                                                                               |                            |                           | direct rotary handle                                  |  |
|                                                                                               |                            |                           | manual supply invertor                                |  |
|                                                                                               |                            | automatic supply invertor |                                                       |  |
|                                                                                               |                            | horizontal                | with or without integrated e.l.c.bs                   |  |
| DPX³ 250 and<br>DPX³ 160-125 electronic<br>release<br>(Combination possible with<br>DPX³ 160) | Cabinet<br>or<br>enclosure | vertical                  | without side motor operator                           |  |
|                                                                                               |                            |                           | with side motor operator                              |  |
|                                                                                               |                            |                           | direct rotary handle                                  |  |
|                                                                                               |                            |                           | manual supply invertor                                |  |
|                                                                                               |                            | automatic supply invertor |                                                       |  |
|                                                                                               |                            | horizontal                | with or without integrated e.l.c.bs                   |  |
| DPX 250<br>(Combination possible with<br>DPX 630)                                             | Cabinet<br>or<br>enclosure | vertical                  | 1 to 3 devices, no e.l.c.bs                           |  |
|                                                                                               |                            |                           | 1 to 3 devices with downstream e.l.c.bs               |  |
|                                                                                               |                            | horizontal                | supply inersor + motor operators                      |  |
|                                                                                               |                            |                           | with or without downstream e.l.c.bs                   |  |
|                                                                                               |                            |                           | with or without downstream e.l.c.bs + motor operators |  |
| DPX 630<br>(Combination possible with<br>DPX 250)                                             | Cabinet<br>or<br>enclosure | vertical                  | 1 to 3 devices, no e.l.c.bs                           |  |
|                                                                                               |                            |                           | 1 to 3 devices with downstream e.l.c.bs               |  |
|                                                                                               |                            | horizontal                | with or without downstream e.l.c.bs                   |  |
| DPX 1600                                                                                      | Cabinet<br>or<br>enclosure | vertical                  | device only                                           |  |
|                                                                                               |                            | horizontal                | device only                                           |  |
|                                                                                               | XL³ 800 - 36 modules       |                           |                                                       |  |
| FIXING ON PLATE                                                                               |                            |                           |                                                       |  |
| DPX³ 160                                                                                      | Cabinet<br>or<br>enclosure | vertical                  | without side motor operator                           |  |
|                                                                                               |                            |                           | with side motor operator                              |  |
|                                                                                               |                            |                           | manual supply invertor                                |  |
| DPX³ 250                                                                                      | Cabinet<br>or<br>enclosure | vertical                  | without side motor operator                           |  |
|                                                                                               |                            |                           | with side motor operator                              |  |
|                                                                                               |                            |                           | manual supply invertor                                |  |
| DPX 250                                                                                       | Cabinet<br>or<br>enclosure | vertical                  | no e.l.c.bs                                           |  |
|                                                                                               |                            |                           | with downstream e.l.c.bs                              |  |
| DPX 630                                                                                       | Cabinet<br>or<br>enclosure | vertical                  | no e.l.c.bs                                           |  |
|                                                                                               |                            |                           | with downstream e.l.c.bs                              |  |
| DPX 1600                                                                                      | Cabinet<br>or<br>enclosure | vertical                  | device only                                           |  |
|                                                                                               |                            |                           | device only                                           |  |



206 11

Fixing plate equipped with a rail for DPX<sup>3</sup>, vertical mounting



206 17

Fixing plate for DPX<sup>3</sup> 250, horizontal mounting



208 13

1/4 turn metal faceplate DPX<sup>3</sup> 160, horizontal mounting

|  | Fixing plate          | Faceplate for devices |                       |        |
|--|-----------------------|-----------------------|-----------------------|--------|
|  |                       | Height (mm)           | 1/4 turn              | screw  |
|  | XL³ 800 - 24 modules  |                       |                       |        |
|  |                       |                       |                       |        |
|  | 206 11 + 421 071      | 300                   | 208 10                | 209 10 |
|  | 206 11 + 421 068      | 300                   | 208 10                | 209 10 |
|  | 206 08 + 421 071      | 300                   | 208 05                | 209 05 |
|  | 206 11 + 421 058      | 300                   | 208 10                | 209 10 |
|  | 206 13 + 420 558      | 300                   | 208 10                | 209 10 |
|  | 206 15                | 150                   | 208 13                | 209 13 |
|  | 206 11 + 421 072      | 300                   | 208 10 <sup>(2)</sup> | 209 10 |
|  | 206 11 + 421 069      | 300                   | 208 10 <sup>(2)</sup> | 209 10 |
|  | 206 08 + 421 072      | 300                   | 208 05                | 209 05 |
|  | 206 11 + 421 058      | 300                   | 208 10 <sup>(2)</sup> | 209 10 |
|  | 206 13 + 421 058      | 300                   | 208 10 <sup>(2)</sup> | 209 10 |
|  | 206 17                | 200                   | 208 17                | 209 17 |
|  | 206 20                | 400                   | 208 20                | 209 20 |
|  | 206 22                | 600                   | 208 22                | 209 22 |
|  | 206 68 <sup>(1)</sup> | 400                   | -                     | -      |
|  | 206 24                | 200                   | 208 24                | 209 24 |
|  | 206 21                | 200                   | -                     | 209 24 |
|  | 206 20                | 400                   | 208 20                | 209 20 |
|  | 206 22                | 600                   | 208 22                | 209 22 |
|  | 206 23                | 300                   | 208 23                | 209 21 |
|  | 206 30                | 400                   | 208 30                | 209 30 |
|  | 206 30                | 400                   | 208 34                | 209 34 |
|  | XL³ 800 - 36 modules  |                       |                       |        |
|  |                       |                       |                       |        |
|  | 206 61 + 421 071      | 300                   | -                     | 209 60 |
|  | 206 61 + 421 068      | 300                   | -                     | 209 60 |
|  | 206 61 + 420 559      | 300                   | -                     | 209 60 |
|  | 206 61 + 421 072      | 300                   | -                     | 209 60 |
|  | 206 61 + 421 072      | 300                   | -                     | 209 60 |
|  | 206 61 + 420 559      | 300                   | -                     | 209 60 |
|  | 206 70                | 400                   | -                     | 209 70 |
|  | 206 72                | 600                   | -                     | 209 72 |
|  | 206 70                | 400                   | -                     | 209 70 |
|  | 206 72                | 600                   | -                     | 209 72 |
|  | 206 80                | 400                   | -                     | 209 80 |
|  | 206 80                | 400                   | -                     | 209 84 |



206 24

Fixing plate for DPX 250 with or without e.l.c.bs, horizontal mounting



208 34

1/4 turn metal faceplate DPX 1600, horizontal mounting

(1) Faceplate supplied with the kit

(2) When the MCCB is equipped with terminal shields, use 400 mm height faceplate Cat.No 209 27

# XL<sup>3</sup> 4000

## equipment selection

| Device                                                                  | Version    | Position                             | Configuration                        | Connection terminals |  |
|-------------------------------------------------------------------------|------------|--------------------------------------|--------------------------------------|----------------------|--|
| FIXING ON PLATE                                                         |            |                                      |                                      |                      |  |
| DPX³ 160<br>(Combination possible<br>with DPX³ 250)                     | fixed      | vertical                             | without side motor-operator          | front                |  |
|                                                                         |            |                                      | with side motor-operator             | front                |  |
|                                                                         |            |                                      | without front motor-operator         | front or rear        |  |
|                                                                         |            |                                      | with front motor-operator            | front or rear        |  |
|                                                                         |            |                                      | with rotary handle                   | front                |  |
|                                                                         |            |                                      |                                      | front or rear        |  |
|                                                                         |            |                                      | manual supply invertor               | front                |  |
|                                                                         |            |                                      |                                      | front or rear        |  |
|                                                                         |            |                                      | automatic supply invertor            | front                |  |
|                                                                         |            |                                      |                                      | front or rear        |  |
|                                                                         | horizontal | -                                    | front                                |                      |  |
|                                                                         |            | with or without front motor-operator | front or rear                        |                      |  |
|                                                                         | draw-out   | vertical                             | with or without front motor-operator | front or rear        |  |
|                                                                         |            |                                      | with rotary handle                   | front or rear        |  |
| manual or automatic supply invertor                                     |            |                                      | front or rear                        |                      |  |
| horizontal                                                              |            |                                      | with or without front motor-operator | front or rear        |  |
|                                                                         |            |                                      |                                      |                      |  |
| DPX³ 250<br>(Combination possible<br>with DPX³ 160<br>thermal-magnetic) | fixed      | vertical                             | without side motor-operator          | front                |  |
|                                                                         |            |                                      | with side motor-operator             | front                |  |
|                                                                         |            |                                      | without front motor-operator         | front or rear        |  |
|                                                                         |            |                                      | with front motor-operator            | front or rear        |  |
|                                                                         |            |                                      | with rotary handle                   | front                |  |
|                                                                         |            |                                      |                                      | front or rear        |  |
|                                                                         |            |                                      | manual supply invertor               | front                |  |
|                                                                         |            |                                      |                                      | front or rear        |  |
|                                                                         |            |                                      | automatic supply invertor            | front                |  |
|                                                                         |            |                                      |                                      | front or rear        |  |
|                                                                         | horizontal | -                                    | front                                |                      |  |
|                                                                         |            | with or without front motor-operator | front or rear                        |                      |  |
|                                                                         | draw-out   | vertical                             | with or without front motor-operator | front or rear        |  |
|                                                                         |            |                                      | with rotary handle                   | front or rear        |  |
| manual or automatic supply invertor                                     |            |                                      | front or rear                        |                      |  |
| horizontal                                                              |            |                                      | with or without front motor-operator | front or rear        |  |
|                                                                         |            |                                      |                                      |                      |  |



206 11

Fixing plate equipped with a rail for DPX<sup>3</sup>, vertical mounting



421 071

Rail fixing adaptor for DPX<sup>3</sup>



206 17

Fixing plate for DPX<sup>3</sup> 250, horizontal mounting

| XL <sup>3</sup> 4000 - 24 modules |               |                  |                 |          |        |        |      | XL <sup>3</sup> 4000 - 36 modules |                  |                 |        |      |
|-----------------------------------|---------------|------------------|-----------------|----------|--------|--------|------|-----------------------------------|------------------|-----------------|--------|------|
| Spacer                            | Fixing device | Plate            | Metal faceplate |          |        |        | Lock | Fixing device                     | Plate            | Metal faceplate |        |      |
|                                   |               |                  | Height (mm)     | 1/4 turn | Screw  |        |      |                                   |                  | Height (mm)     | Screw  | Lock |
| -                                 | -             | 206 11 + 421 071 | 300             | 208 10   | 209 10 | -      | -    | -                                 | 206 61 + 421 071 | 300             | 209 60 | -    |
| -                                 | -             | 206 11 + 421 068 | 300             | 208 10   | 209 10 | -      | -    | -                                 | 206 61 + 421 068 | 300             | 209 60 | -    |
| 207 50                            | 207 90        | 207 49           | 300             | 208 10   | 209 10 | -      | -    | 207 61                            | 207 49           | 300             | 209 60 | -    |
| -                                 | 207 90        | 207 49           | 300             | 208 10   | 209 10 | -      | -    | 207 61                            | 207 49           | 300             | 209 60 | -    |
| -                                 | -             | 206 08 + 421 071 | 300             | 208 05   | 209 05 | -      | -    | -                                 | -                | -               | -      | -    |
| 207 50                            | 207 90        | 207 49           | 300             | 208 05   | 209 05 | -      | -    | 207 61                            | 207 49           | 300             | 209 65 | -    |
| -                                 | -             | 206 11 + 421 058 | 300             | 208 10   | 209 10 | -      | -    | -                                 | -                | -               | -      | -    |
| 207 50                            | 206 63        | 206 71           | 300             | 208 10   | 209 10 | -      | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 206 13 + 421 058 | 300             | 208 10   | 209 10 | -      | -    | -                                 | -                | -               | -      | -    |
| -                                 | 206 63        | 206 71           | 300             | 208 10   | 209 10 | -      | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 206 15           | 150             | 208 13   | 209 13 | -      | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 207 94           | 150             | 208 13   | 209 13 | -      | -    | -                                 | -                | -               | -      | -    |
| 207 50                            | 207 91        | 207 59           | 400             | -        | -      | 212 11 | -    | -                                 | -                | -               | -      | -    |
| -                                 | 207 91        | 207 59           | 400             | -        | -      | 212 08 | -    | -                                 | -                | -               | -      | -    |
| 207 50                            | 206 69        | 206 81           | 400             | -        | -      | 212 11 | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 207 95           | 200             | -        | -      | 212 13 | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 206 11 + 421 072 | 300             | 208 10   | 209 10 | -      | -    | -                                 | 206 61 + 421 072 | 300             | 209 60 | -    |
| -                                 | -             | 206 11 + 421 069 | 300             | 208 10   | 209 10 | -      | -    | -                                 | 206 61 + 421 069 | 300             | 209 60 | -    |
| -                                 | 207 90        | 207 64           | 300             | 208 10   | 209 10 | -      | -    | 207 61                            | 207 49           | 300             | 209 60 | -    |
| 207 50                            | 207 90        | 207 64           | 300             | 208 10   | 209 10 | -      | -    | 207 61                            | 207 49           | 300             | 209 60 | -    |
| 207 50                            | -             | 206 08 + 421 072 | 300             | 208 05   | 209 05 | -      | -    | -                                 | -                | -               | -      | -    |
| 207 50                            | 207 90        | 207 64           | 300             | 208 05   | 209 05 | -      | -    | 207 61                            | 207 49           | 300             | 209 65 | -    |
| -                                 | -             | 206 11 + 421 058 | 300             | 208 10   | 209 10 | -      | -    | -                                 | -                | -               | -      | -    |
| 207 50                            | 206 63        | 206 73           | 300             | 208 10   | 209 10 | -      | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 206 13 + 421 058 | 300             | 208 10   | 209 10 | -      | -    | -                                 | -                | -               | -      | -    |
| -                                 | 206 63        | 206 73           | 300             | 208 10   | 209 10 | -      | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 206 17           | 200             | 208 17   | 209 17 | -      | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 207 96           | 200             | 208 17   | 209 17 | -      | -    | -                                 | -                | -               | -      | -    |
| 207 50                            | 207 91        | 207 69           | 400             | -        | -      | 212 11 | -    | -                                 | -                | -               | -      | -    |
| -                                 | 207 91        | 207 69           | 400             | -        | -      | 212 08 | -    | -                                 | -                | -               | -      | -    |
| 207 50                            | 206 69        | 206 83           | 400             | -        | -      | 212 11 | -    | -                                 | -                | -               | -      | -    |
| -                                 | -             | 207 97           | 200             | -        | -      | 212 13 | -    | -                                 | -                | -               | -      | -    |



208 10  
1/4 turn metal faceplate for  
DPX<sup>3</sup> 160 and DPX<sup>3</sup> 250,  
vertical mounting  
Height 300 mm



209 10  
Screw metal faceplate for  
DPX<sup>3</sup> 160 and DPX<sup>3</sup> 250,  
vertical mounting  
Height 300 mm



208 13  
1/4 turn metal faceplate for DPX<sup>3</sup> 160,  
horizontal mounting on adjustable  
fixing plate  
Height 150 mm



212 11  
Lock metal faceplate for 1  
to 3 DPX<sup>3</sup> 160 or DPX<sup>3</sup>  
250 draw-out version,  
vertical mounting  
Height 400 mm

# **XL<sup>3</sup> 4000** **equipment selection**

| Device          | Version  | Position   | Configuration                          | Connection terminals | Rotary handle/<br>motor-driven   |  |
|-----------------|----------|------------|----------------------------------------|----------------------|----------------------------------|--|
| <b>DPX 250</b>  | fixed    | vertical   | 1 to 3 devices, no e.l.c.bs            | front                | -                                |  |
|                 |          |            | 1 to 3 devices, no e.l.c.bs            | front or rear        | with or without                  |  |
|                 |          |            | 1 to 3 devices with e.l.c.bs           | front                | -                                |  |
|                 |          |            | 1 to 3 devices with e.l.c.bs           | front or rear        | with or without                  |  |
|                 |          | horizontal | with or without<br>downstream e.l.c.bs | front                | -                                |  |
|                 |          |            | with or without<br>downstream e.l.c.bs | front or rear        | with or without                  |  |
|                 |          |            | supply inverters                       | front or rear        | with or without<br>motor-driven  |  |
|                 |          |            | supply inverters                       | front or rear        | with or without<br>motor-driven  |  |
|                 | plug-in  | vertical   | 1 to 3 devices, no e.l.c.bs            | front or rear        | with or without                  |  |
|                 |          |            | 1 to 3 devices,<br>with e.l.c.bs       | front or rear        | with or without                  |  |
|                 |          | horizontal | with or without<br>downstream e.l.c.bs | front or rear        | with or without                  |  |
|                 | draw-out | vertical   | no e.l.c.bs                            | front or rear        | with or without<br>rotary handle |  |
|                 |          |            | no e.l.c.bs                            | front or rear        | motor-driven                     |  |
|                 |          |            | with e.l.c.bs                          | front or rear        | with or without<br>rotary handle |  |
|                 |          |            | with e.l.c.bs                          | front or rear        | motor-driven                     |  |
|                 |          | horizontal | with or without<br>downstream e.l.c.bs | front or rear        | with or without<br>rotary handle |  |
|                 |          |            | with or without e.l.c.bs               | front or rear        | motor-driven                     |  |
|                 |          |            | supply inverters                       | front or rear        | -                                |  |
|                 |          |            | supply inverters                       | front or rear        | motor-driven                     |  |
| <b>DPX 630</b>  | fixed    | vertical   | 1 to 3 devices, no e.l.c.bs            | front                | -                                |  |
|                 |          |            | 1 to 3 devices, no e.l.c.bs            | front or rear        | with or without                  |  |
|                 |          |            | 1 to 3 devices,<br>with e.l.c.bs       | front                | -                                |  |
|                 |          |            | 1 to 3 devices,<br>with e.l.c.bs       | front or rear        | with or without                  |  |
|                 |          | horizontal | with or without<br>downstream e.l.c.bs | front                | -                                |  |
|                 |          |            | with or without<br>downstream e.l.c.bs | front or rear        | with or without                  |  |
|                 |          |            | supply inverters                       | front or rear        | with or without<br>motor-driven  |  |
|                 |          |            | supply inverters                       | front or rear        | with or without<br>motor-driven  |  |
|                 | plug-in  | vertical   | 1 to 2 devices, no e.l.c.bs            | front or rear        | with or without                  |  |
|                 |          |            | 1 to 2 devices,<br>with e.l.c.bs       | front or rear        | with or without                  |  |
|                 |          | horizontal | with or without<br>downstream e.l.c.bs | front or rear        | with or without<br>rotary handle |  |
|                 | draw-out | vertical   | no e.l.c.bs                            | front or rear        | with or without<br>rotary handle |  |
|                 |          |            | no e.l.c.bs                            | front or rear        | motor-driven                     |  |
|                 |          |            | with e.l.c.bs                          | front or rear        | with or without<br>rotary handle |  |
|                 |          |            | with e.l.c.bs                          | front or rear        | motor-driven                     |  |
|                 |          | horizontal | with or without<br>downstream e.l.c.bs | front or rear        | with or without<br>rotary handle |  |
|                 |          |            | with or without<br>downstream e.l.c.bs | front or rear        | motor-driven                     |  |
|                 |          |            | supply inverters                       | front or rear        | -                                |  |
|                 |          |            | supply inverters                       | front or rear        | motor-driven                     |  |
| <b>DPX 1600</b> | fixed    | vertical   | no e.l.c.bs                            | front                | -                                |  |
|                 |          |            | no e.l.c.bs                            | front                | rotary handle or<br>motor-driven |  |
|                 |          |            | no e.l.c.bs                            | rear                 | -                                |  |
|                 |          |            | no e.l.c.bs                            | rear                 | rotary handle or<br>motor-driven |  |
|                 |          | horizontal | no e.l.c.bs                            | front                | -                                |  |
|                 |          |            | no e.l.c.bs                            | front                | motor-driven                     |  |
|                 |          |            | no e.l.c.bs                            | rear                 | motor-driven                     |  |
|                 |          |            | no e.l.c.bs                            | rear                 | -                                |  |
|                 |          | horizontal | no e.l.c.bs                            | rear                 | rotary handle                    |  |
|                 |          |            | supply inverters                       | front or rear        | -                                |  |
|                 |          |            | supply inverters                       | front or rear        | motor-driven                     |  |
|                 |          |            | supply inverters                       | front or rear        | motor-driven                     |  |
|                 | draw-out | vertical   | no e.l.c.bs                            | front                | -                                |  |
|                 |          |            | no e.l.c.bs                            | front                | rotary handle or<br>motor-driven |  |
|                 |          | horizontal | no e.l.c.bs                            | front                | -                                |  |
|                 |          |            | no e.l.c.bs                            | rear                 | rotary handle or<br>motor-driven |  |
|                 |          | horizontal | supply inverters                       | rear                 | -                                |  |
|                 |          |            | supply inverters                       | rear                 | motor-driven                     |  |

(1) No height spacer if motor-driven  
(2) 2 sets of spacers for adjustable plate  
(3) NB: New catalogue numbers starting from June 2011, please contact us

|  | XL <sup>3</sup> 4000 - 24 modules |               |                       |                 |                       |                       |        | XL <sup>3</sup> 4000 - 36 modules |                       |             |                       |      |
|--|-----------------------------------|---------------|-----------------------|-----------------|-----------------------|-----------------------|--------|-----------------------------------|-----------------------|-------------|-----------------------|------|
|  | Spacer                            | Fixing device | Plate                 | Metal faceplate |                       |                       |        | Fixing device                     | Plate                 | Faceplate   |                       |      |
|  |                                   |               |                       | Height (mm)     | 1/4 turn              | Screw                 | Lock   |                                   |                       | Height (mm) | Screw                 | Lock |
|  |                                   | -             | 206 20                | 400             | 208 20                | 209 20                | -      | -                                 | 206 70                | 400         | 209 70                | -    |
|  | 207 50 <sup>(1)</sup>             | 207 20        | 207 75                | 400             | 208 20                | 209 20                | -      | 207 70                            | 207 75                | 400         | 209 70                | -    |
|  |                                   | -             | 206 22                | 600             | 208 22                | 209 22                | -      | -                                 | 206 72                | 600         | 209 72                | -    |
|  | 207 50 <sup>(1)</sup>             | 207 22        | 207 76                | 600             | 208 22                | 209 22                | -      | 207 72                            | 207 76                | 600         | 209 72                | -    |
|  |                                   | -             | 206 24                | 200             | 208 24                | 209 24                | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 24                | 200             | -                     | 209 24                | -      | -                                 | -                     | -           | -                     | -    |
|  | 207 50 <sup>(1)</sup>             | -             | 206 74                | 400             | -                     | 209 74                | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | 207 21        | 207 77                | 400             | -                     | -                     | 212 20 | -                                 | -                     | -           | -                     | -    |
|  |                                   | 207 23        | 207 78                | 600             | -                     | -                     | 212 22 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 27                | 200             | -                     | -                     | 212 24 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | 207 21        | 207 77                | 400             | -                     | -                     | 212 21 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | 207 21        | 207 77                | 400             | -                     | -                     | 212 02 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | 207 23        | 207 78                | 600             | -                     | -                     | 212 23 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | 207 23        | 207 78                | 600             | -                     | -                     | 212 03 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 26                | 300             | -                     | -                     | 212 26 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 26                | 300             | -                     | -                     | 212 27 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | -             | 206 74                | 400             | -                     | -                     | 212 90 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | -             | 206 74                | 400             | -                     | -                     | 212 91 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 206 20                | 400             | 208 20                | 209 20                | -      | -                                 | 206 70                | 400         | 209 70                | -    |
|  | 207 50 <sup>(1)</sup>             | 207 20        | 207 85                | 400             | 208 20                | 209 20                | -      | 207 70                            | 207 85                | 400         | 209 70                | -    |
|  |                                   | -             | 206 22                | 600             | 208 22                | 209 22                | -      | -                                 | 206 72                | 600         | 209 72                | -    |
|  | 207 50 <sup>(1)</sup>             | 207 22        | 207 86                | 600             | 208 22                | 209 22                | -      | 207 72                            | 207 86                | 600         | 209 72                | -    |
|  |                                   | -             | 206 23                | 300             | 208 23                | 209 21                | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 93                | 300             | -                     | 209 23                | -      | -                                 | -                     | -           | -                     | -    |
|  | 207 50 <sup>(1)</sup>             | -             | 206 74                | 400             | -                     | 209 76                | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | 207 21        | 207 87                | 400             | -                     | -                     | 212 20 | -                                 | -                     | -           | -                     | -    |
|  |                                   | 207 23        | 207 88                | 600             | -                     | -                     | 212 22 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 98                | 300             | -                     | -                     | 212 17 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | 207 21        | 207 87                | 400             | -                     | -                     | 212 21 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | 207 21        | 207 87                | 400             | -                     | -                     | 212 04 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | 207 23        | 207 88                | 600             | -                     | -                     | 212 23 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | 207 23        | 207 88                | 600             | -                     | -                     | 212 05 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 98                | 300             | -                     | -                     | 212 18 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 98                | 300             | -                     | -                     | 212 19 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | -             | 206 76                | 400             | -                     | -                     | 212 94 | -                                 | -                     | -           | -                     | -    |
|  | 207 50                            | -             | 206 76                | 400             | -                     | -                     | 212 95 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 206 30 <sup>(3)</sup> | 400             | 208 30 <sup>(3)</sup> | 209 30 <sup>(3)</sup> | -      | -                                 | 206 80 <sup>(3)</sup> | 400         | 209 80 <sup>(3)</sup> | -    |
|  | 207 50 <sup>(1)(2)</sup>          | -             | 207 30 <sup>(3)</sup> | 400             | -                     | 209 32 <sup>(3)</sup> | -      | -                                 | -                     | -           | -                     | -    |
|  | 207 50 <sup>(1)(2)</sup>          | -             | 207 32 <sup>(3)</sup> | 400             | 208 30 <sup>(3)</sup> | 209 30 <sup>(3)</sup> | -      | -                                 | 207 82 <sup>(3)</sup> | 400         | 209 80 <sup>(3)</sup> | -    |
|  | 207 50 <sup>(1)(2)</sup>          | -             | 207 32 <sup>(3)</sup> | 400             | -                     | 209 32 <sup>(3)</sup> | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 206 30                | 400             | 208 34                | 209 34                | -      | -                                 | 206 80                | 400         | 209 84                | -    |
|  |                                   | -             | 206 30                | 400             | -                     | 209 36                | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 206 30                | 400             | -                     | 209 35                | -      | -                                 | -                     | -           | -                     | -    |
|  | 207 50 <sup>(1)(2)</sup>          | -             | 207 36                | 400             | 208 34                | 209 34                | -      | -                                 | -                     | -           | -                     | -    |
|  | 207 50 <sup>(1)(2)</sup>          | -             | 207 36                | 400             | -                     | 209 35                | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 206 86                | 800             | -                     | 209 86                | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 206 86                | 800             | -                     | 209 87                | -      | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 31                | 400             | -                     | -                     | 212 31 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 31                | 400             | -                     | -                     | 212 32 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 35                | 400             | -                     | -                     | 212 34 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 207 35                | 400             | -                     | -                     | 212 35 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 206 87                | 800             | -                     | -                     | 212 36 | -                                 | -                     | -           | -                     | -    |
|  |                                   | -             | 206 87                | 800             | -                     | -                     | 212 37 | -                                 | -                     | -           | -                     | -    |

# DRX

the universal  
MCCB



NEW PRODUCT FOR 2006

NEW PRODUCT FOR 2006

# Combining forces to provide power and protection



With offers in more than 160 countries, Legrand has extensive geographical coverage which allows us to adapt to all your requirements and help you with both your local and international projects.

Whatever your needs may be

- general MCCBs
- secondary MCCBs
- MCBs
- enclosures
- or busbars

... Legrand provides solutions from one specialist to another specialist: you.

Legrand's DRX range integrates perfectly within standard electrical installations anywhere in the world.

With the DRX 100 A and 250 A, you have the choice of 2 sizes, 15 ratings from 15 A to 250 A and 3 breaking capacities up to 36 kA (415 V~).



DRX,  
the universal MCCB





# DRX 100 and 250

## ... the universal solution



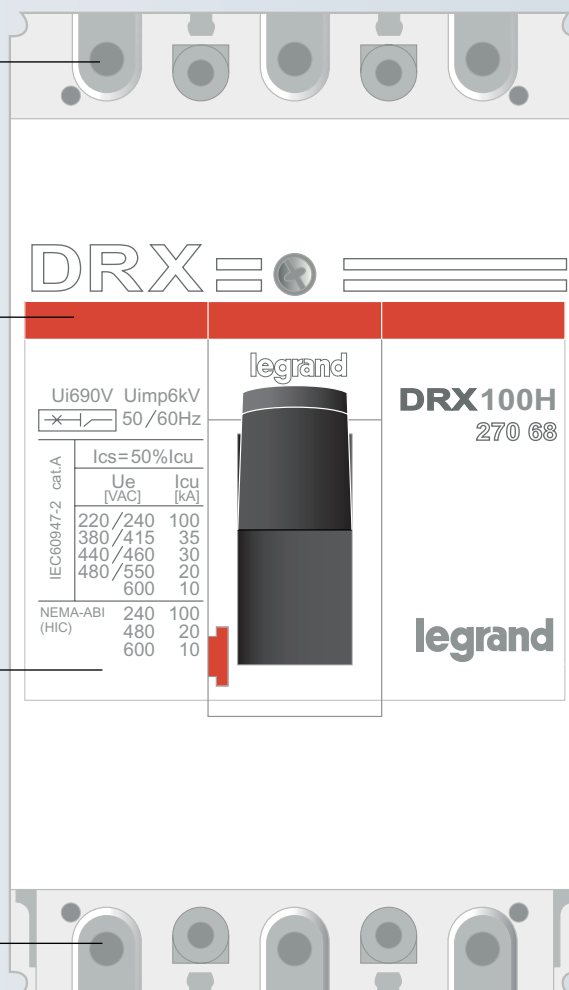
Thermal-magnetic MCCBs  
**WITH or WITHOUT** earth leakage protection  
 integrated in both sizes

DRX 100: 1, 2, 3 and 4 poles  
 DRX 250: 3 and 4 poles

Exclusive system: with a single action, change  
 from the 50 mm standard to the 45 mm DIN standard

- Thermal-magnetic protection
- Nominal currents from 15 to 250 A
- Up to 36 kA breaking capacity (at 415 V~)
- No temperature derating at +50°C

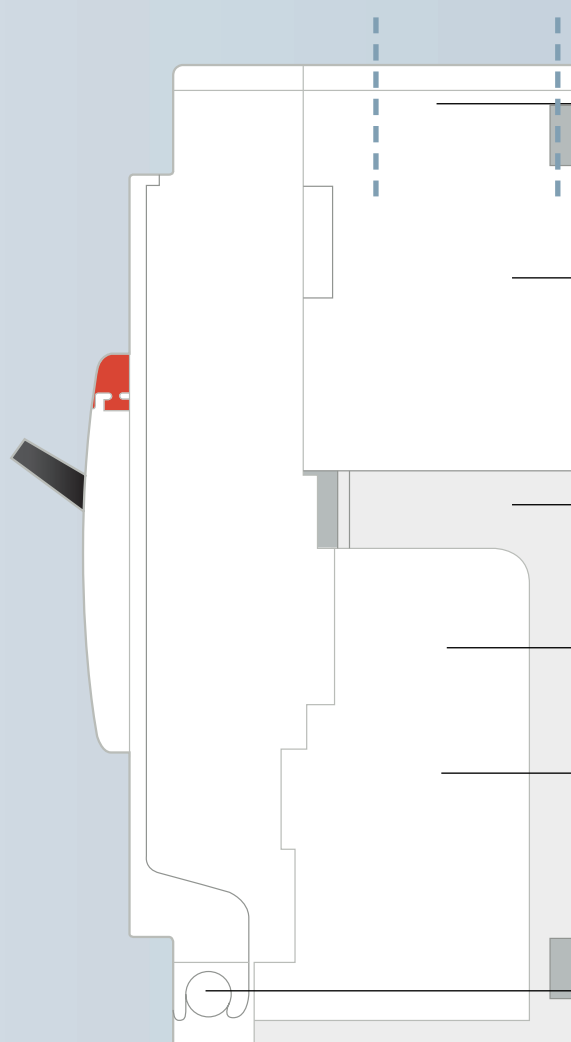
2 types of connection:  
 standard and with cage terminals





## ADVANTAGES

- Electrical accessories mounted by simply clipping on front panel
- Electrical accessories common to the whole range
- Up to 3 locks (padlock) in open (off) position
- Direct and vari-depth rotary handle
- Certified by: LOVAG (IEC 60947-1-2). In compliance with NEMA



24 mm distance between base and terminal,  
for mounting in busbars

Suitable for all environments  
(tropicalization, pollution,  
salt corrosion, etc.)

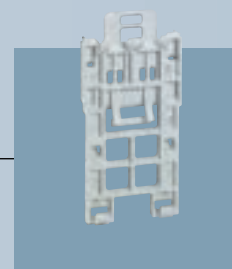
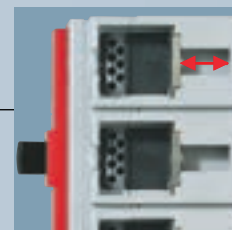
Removable plate that clips onto a DIN rail

Installation in any position

Standard dimensions

- 3-pole DRX 100: 75 x 60 x 130 mm
- 3-pole DRX 250: 105 x 60 x 165 mm

Captive cover



# DRX™ 100

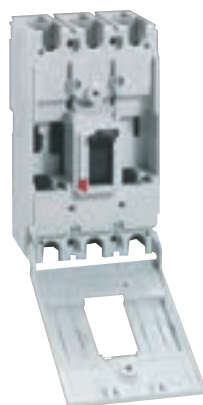
thermal-magnetic MCCBs from 15 to 100 A



270 10



270 68



270 68 (captive cover)



270 46



270 58



Technical characteristics and operating curves (p. 89)  
Dimensions (p. 6-7)

For switching, control, isolation and protection of low-voltage electrical lines in conformity with standard IEC 60947-2

Fixed thermal and fixed magnetic

For auxiliaries (p. 5)

Supplied with:

- M5 terminal for  $I_n \leq 50$  A and M8 range for  $I_n > 50$  A

- Fixing screws

- Insulating shields (2 for 3P and 3 for 4P)

| Pack | Cat. Nos. |        |                                      |
|------|-----------|--------|--------------------------------------|
|      | 3P        | 4P     | <b>DRX 100 B</b>                     |
|      |           |        | Icu breaking capacity 10 kA (415 V~) |
|      |           |        | $I_n$                                |
| 1    | 270 00    | 270 10 | 15 A                                 |
| 1    | 270 01    | 270 11 | 20 A                                 |
| 1    | 270 02    | 270 12 | 25 A                                 |
| 1    | 270 03    | 270 13 | 30 A                                 |
| 1    | 270 04    | 270 14 | 40 A                                 |
| 1    | 270 05    | 270 15 | 50 A                                 |
| 1    | 270 06    | 270 16 | 60 A                                 |
| 1    | 270 07    | 270 17 | 75 A                                 |
| 1    | 270 08    | 270 18 | 100 A                                |
|      |           |        | <b>DRX 100 N</b>                     |
|      |           |        | Icu breaking capacity 20 kA (415 V~) |
|      |           |        | $I_n$                                |
| 1    | 270 20    | 270 30 | 15 A                                 |
| 1    | 270 21    | 270 31 | 20 A                                 |
| 1    | 270 22    | 270 32 | 25 A                                 |
| 1    | 270 23    | 270 33 | 30 A                                 |
| 1    | 270 24    | 270 34 | 40 A                                 |
| 1    | 270 25    | 270 35 | 50 A                                 |
| 1    | 270 26    | 270 36 | 60 A                                 |
| 1    | 270 27    | 270 37 | 75 A                                 |
| 1    | 270 28    | 270 38 | 100 A                                |

| Pack | Cat. Nos. |        |                                      |
|------|-----------|--------|--------------------------------------|
|      | 1P        | 2P     | <b>DRX 100 H</b>                     |
|      |           |        | Icu breaking capacity 25 kA - 240 V~ |
|      |           |        | (for 1P)                             |
|      |           |        | Icu breaking capacity 35 kA - 415 V~ |
|      |           |        | (for 2P, 3P and 4P)                  |
|      |           |        | $I_n$                                |
| 1    | 270 40    | 270 50 | 15 A                                 |
| 1    | 270 41    | 270 51 | 20 A                                 |
| 1    | 270 42    | 270 52 | 25 A                                 |
| 1    | 270 43    | 270 53 | 30 A                                 |
| 1    | 270 44    | 270 54 | 40 A                                 |
| 1    | 270 45    | 270 55 | 50 A                                 |
| 1    | 270 46    | 270 56 | 60 A                                 |
| 1    | 270 47    | 270 57 | 75 A                                 |
| 1    | 270 48    | 270 58 | 100 A                                |
|      | 3P        | 4P     | $I_n$                                |
| 1    | 270 60    | 270 70 | 15 A                                 |
| 1    | 270 61    | 270 71 | 20 A                                 |
| 1    | 270 62    | 270 72 | 25 A                                 |
| 1    | 270 63    | 270 73 | 30 A                                 |
| 1    | 270 64    | 270 74 | 40 A                                 |
| 1    | 270 65    | 270 75 | 50 A                                 |
| 1    | 270 66    | 270 76 | 60 A                                 |
| 1    | 270 67    | 270 77 | 75 A                                 |
| 1    | 270 68    | 270 78 | 100 A                                |

# DRX™ 100 accessories



## Pack Cat. Nos. Plate for fixing on rail

|   |        |                                      |
|---|--------|--------------------------------------|
| 1 | 271 87 | For fixing the DRX 100 on a DIN rail |
|---|--------|--------------------------------------|



## Rotary handles

|   |        |                                                                                                                                                                        |
|---|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 271 76 | <b>Direct on DRX</b><br>Standard (grey)                                                                                                                                |
| 1 | 271 77 | <b>Vari-depth handle</b><br>Comprises: the connecting rod, the bracket, the drilling template, the mounting accessories, the door locking mechanism<br>Standard (grey) |



## Padlocking

|   |        |                                                |
|---|--------|------------------------------------------------|
| 1 | 271 80 | Padlock in open "off" position (up to 3 locks) |
|---|--------|------------------------------------------------|



## Connection accessories

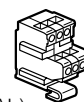
|   |        |                                                                    |
|---|--------|--------------------------------------------------------------------|
|   |        | <b>Insulating shields</b><br>Insulate connection between each pole |
| 1 | 271 81 | Set of 2 shields                                                   |
| 1 | 271 82 | Set of 3 shields                                                   |
| 1 | 271 83 | <b>Sealable terminal shields</b><br>Set of 2 terminal shields      |
| 1 | 271 70 | <b>Cage terminals</b><br>Up to 50 A                                |
| 1 | 271 71 | From 60 to 100 A                                                   |



## Pack Cat. Nos. Electrical accessories

### Auxiliary contact blocks

|   |        |                                                 |
|---|--------|-------------------------------------------------|
| 1 | 271 40 | Block with 1 auxiliary (1 AUX)                  |
| 1 | 271 41 | Block with 1 alarm (1 AL)                       |
| 1 | 271 42 | Block with 1 auxiliary + 1 alarm (1 AUX + 1 AL) |



### Shunt trips

|   |        |                  |
|---|--------|------------------|
| 1 | 271 50 | 12 V~ and =      |
| 1 | 271 51 | 24 V~ and =      |
| 1 | 271 52 | 48 V~ and =      |
| 1 | 271 53 | 100/130 V~ and = |
| 1 | 271 54 | 200/277 V~ and = |
| 1 | 271 55 | 380/480 V~ and = |



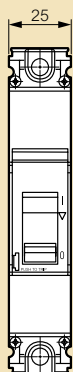
### Undervoltage releases

|   |        |             |
|---|--------|-------------|
| 1 | 271 60 | 12 V~ and = |
| 1 | 271 61 | 24 V~ and = |
| 1 | 271 62 | 48 V~ and = |
| 1 | 271 63 | 110/130 V~  |
| 1 | 271 64 | 200/240 V~  |
| 1 | 271 65 | 380/415 V~  |

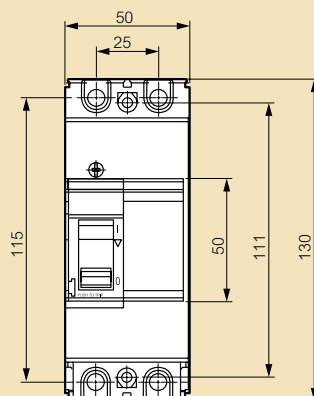


■ Frontals dimensions

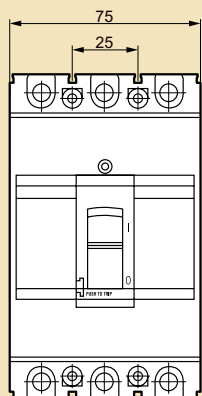
DRX 100 - 1P



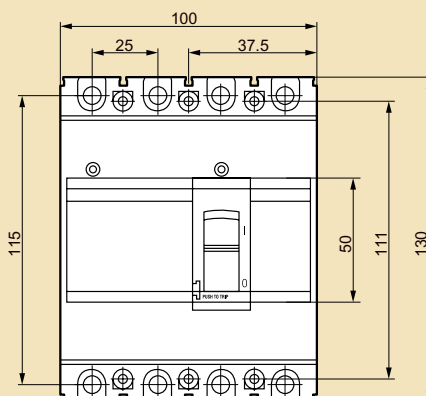
DRX 100 - 2P



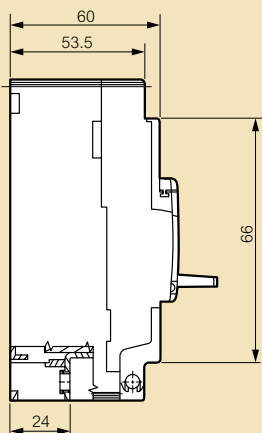
DRX 100 - 3P



DRX 100 - 4P

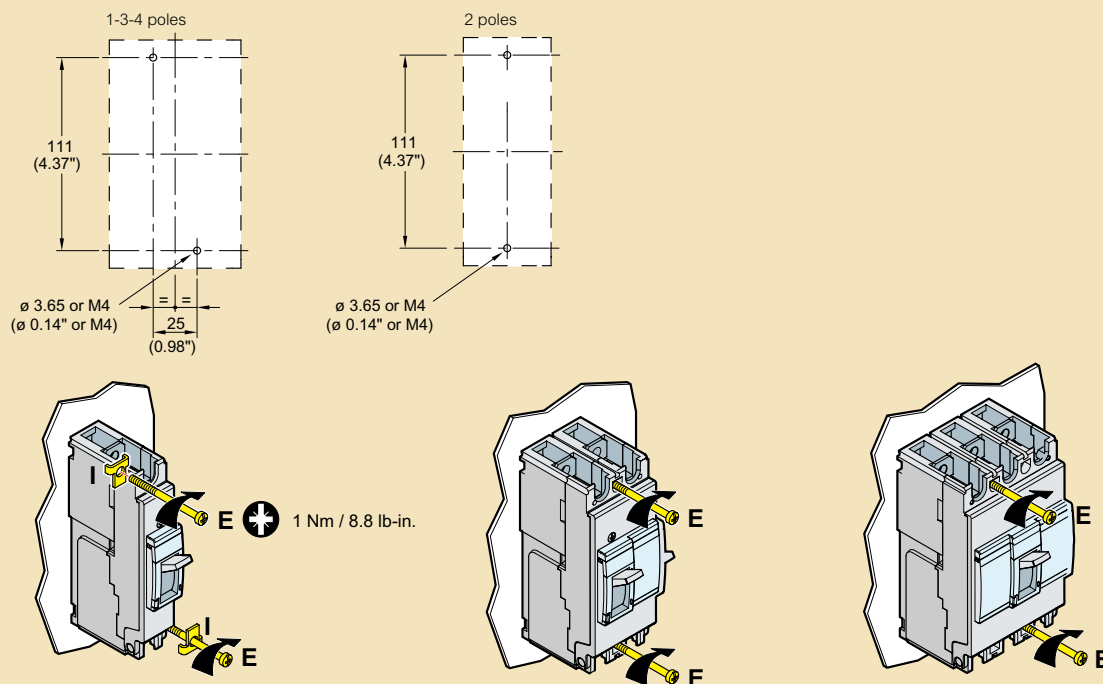


■ Laterals dimensions

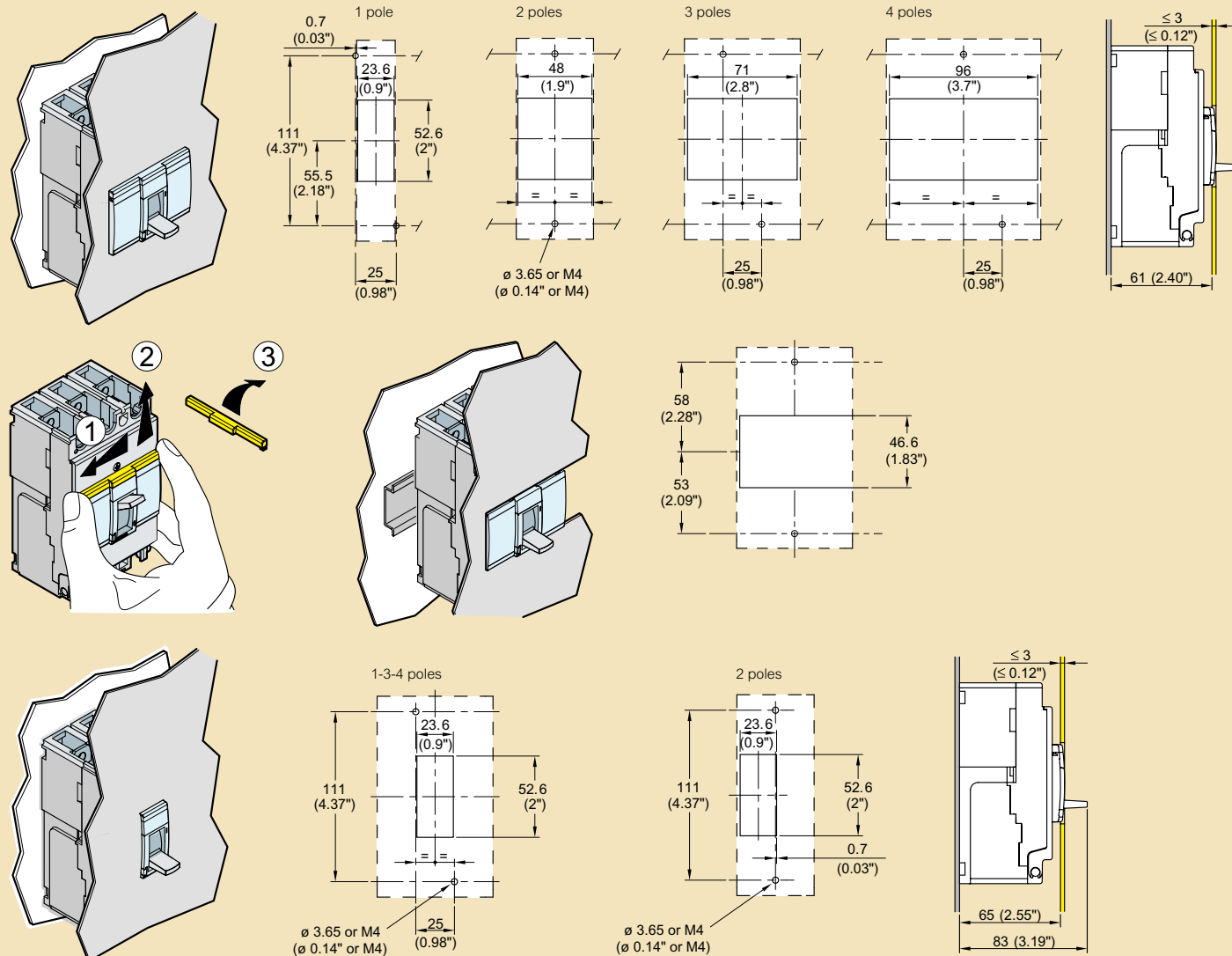


# **DRX™ 100** technical characteristics (continued)

## ■ Fixing on plate

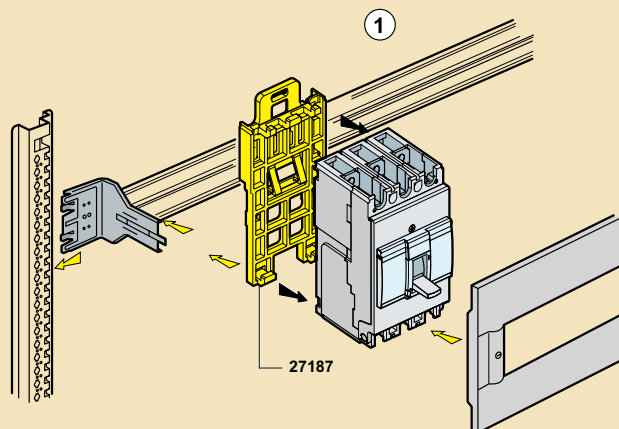


## ■ Door cut-out



## ■ Mounting

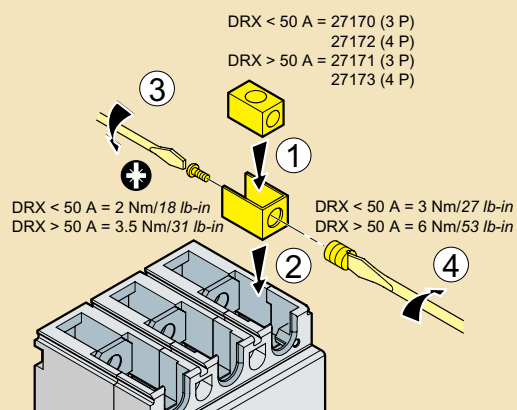
Mounting on a DIN rail with plate



## ■ Connection

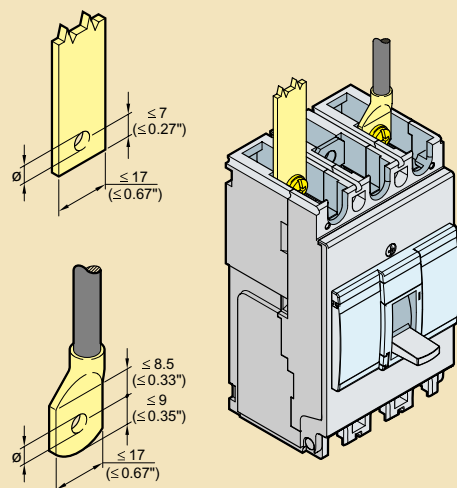
DRX front terminal

Cable connection



| DRX ≤ 50 A                                           |  | DRX > 50 A                                                                                       |  |
|------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|
| Flexible<br>2,5 → 10 mm <sup>2</sup><br>#14 → #8 AWG |  | Flexible<br>10 → 35 mm <sup>2</sup><br>#8 → #2 AWG                                               |  |
| or                                                   |  |                                                                                                  |  |
| Solid<br>2,5 → 16 mm <sup>2</sup><br>#14 → #6 AWG    |  | Solid<br>10 → 50 mm <sup>2</sup><br>#8 → #1/0 AWG                                                |  |
|                                                      |  | 2,5 to 4 mm <sup>2</sup> #14 to #10 AWG<br>flexible cables connection via<br>crimped end-barrels |  |

Busbar connection

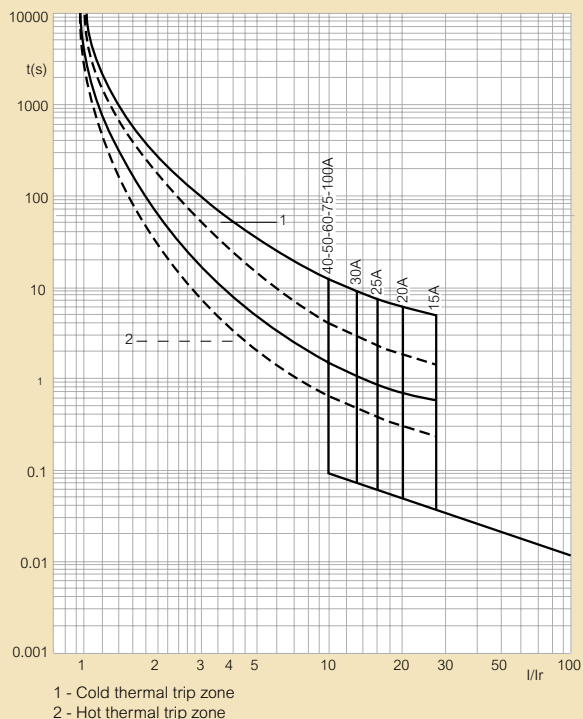


# DRX™ 100

## technical characteristics (continued)

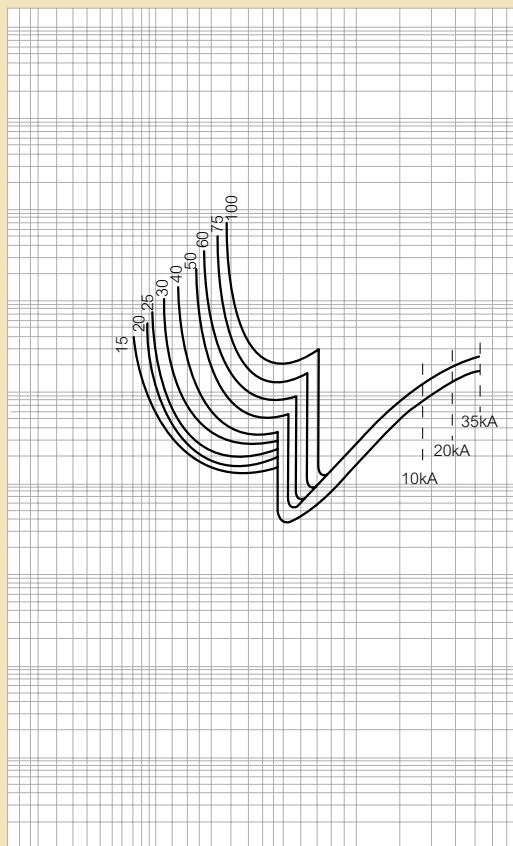
### Curve

DRX 100 I<sub>max</sub> = 100 A 1P - 2P - 3P - 4P



### LET THROUGH SPECIFIC ENERGY CHARACTERISTIC

DRX 100 B-N-H Series I<sub>n</sub> max = 100A 3p-4p-415 V a.c.



I<sub>cc</sub> = estimated short circuit symmetrical current (RMS value)  
I²t (A²s) = pass-through specific energy

| Technical characteristics                                       |                                     | DRX-B   | DRX-N   | DRX-H        | DRX-H  |
|-----------------------------------------------------------------|-------------------------------------|---------|---------|--------------|--------|
| Number of poles                                                 |                                     | 3P - 4P | 3P - 4P | 2P - 3P - 4P | 1P     |
| Nominal current I <sub>n</sub> (A)                              |                                     | 15-100  | 15-100  | 15-100       | 15-100 |
| Neutral protection for 4P version (%)                           |                                     | 100     | 100     | 100          |        |
| Rated insulation voltage U <sub>i</sub> (V)                     |                                     | 690     | 690     | 690          |        |
| Rated impulse withstand current U <sub>imp</sub> (kV)           |                                     | 6       | 6       | 6            |        |
| Rated operating voltage (50/60 Hz) U <sub>e</sub> (V)           |                                     | 600     | 600     | 600          |        |
| Ultimate breaking capacity I <sub>cu</sub> (kA)<br>IEC 60947-2  | 220/240 V~                          | 25      | 40      | 100          | 25     |
|                                                                 | 380/415 V~                          | 10      | 20      | 35           |        |
|                                                                 | 440/460 V~                          | 10      | 15      | 30           |        |
|                                                                 | 480/550 V~                          | 7.5     | 10      | 20           |        |
|                                                                 | 600 V~                              | 5       | 5       | 10           |        |
| Ultimate breaking capacity I <sub>cu</sub> (kA)<br>NEMA AB-1    | 240 V~                              | 25      | 40      | 100          | 25     |
|                                                                 | 480 V~                              | 7.5     | 10      | 20           |        |
|                                                                 | 600 V~                              | 5       | 5       | 10           |        |
| Standard breaking capacity I <sub>cs</sub> (% I <sub>cu</sub> ) |                                     | 50      | 50      | 50           | 50     |
| Utilization category                                            |                                     | A       | A       | A            | A      |
| Suitable for isolation                                          |                                     | YES     | YES     | YES          | YES    |
| Endurance (cycles)                                              | mechanical                          | 25 000  | 25 000  | 25 000       | 25 000 |
|                                                                 | electrical<br>at I <sub>n</sub>     | 8 000   | 8 000   | 8 000        | 8 000  |
|                                                                 | electrical<br>at 0.5 I <sub>n</sub> | 10 000  | 10 000  | 10 000       | 10 000 |

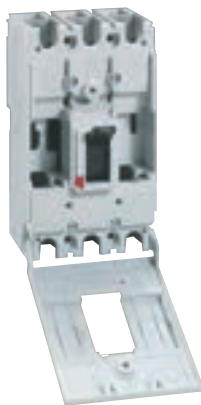
**DRX™ 250**  
thermal-magnetic MCCBs from 125 to 250 A



271 05



271 04



271 10 (captive cover)

 *Technical characteristics and operating curves (p. 89)  
Dimensions (p. 6-7)*

For switching, control, isolation and protection of low-voltage electrical lines in conformity with standard IEC 60947-2  
Fixed thermal and fixed magnetic  
For accessories see page 11  
Supplied with:  
- M8 terminals  
- Fixing screws  
- Insulating shields (2 for 3P and 3 for 4P)

| Pack                                 |  | Cat. Nos. |        |       |
|--------------------------------------|--|-----------|--------|-------|
|                                      |  | 3P        | 4P     |       |
| <b>DRX 250 B</b>                     |  |           |        |       |
| Icu breaking capacity 18 kA (415 V~) |  |           |        |       |
| In                                   |  |           |        |       |
| 1                                    |  | 271 00    | 271 06 | 125 A |
| 1                                    |  | 271 01    | 271 07 | 150 A |
| 1                                    |  | 271 02    | 271 08 | 175 A |
| 1                                    |  | 271 03    | 271 09 | 200 A |
| 1                                    |  | 271 04    | 271 10 | 225 A |
| 1                                    |  | 271 05    | 271 11 | 250 A |
| <b>DRX 250 N</b>                     |  |           |        |       |
| Icu breaking capacity 25 kA (415 V~) |  |           |        |       |
| In                                   |  |           |        |       |
| 1                                    |  | 271 12    | 271 18 | 125 A |
| 1                                    |  | 271 13    | 271 19 | 150 A |
| 1                                    |  | 271 14    | 271 20 | 175 A |
| 1                                    |  | 271 15    | 271 21 | 200 A |
| 1                                    |  | 271 16    | 271 22 | 225 A |
| 1                                    |  | 271 17    | 271 23 | 250 A |

| Pack                                 |  | Cat. Nos. |        |       |
|--------------------------------------|--|-----------|--------|-------|
|                                      |  | 3P        | 4P     |       |
| <b>DRX 250 H</b>                     |  |           |        |       |
| Icu breaking capacity 36 kA (415 V~) |  |           |        |       |
| In                                   |  |           |        |       |
| 1                                    |  | 271 24    | 271 30 | 125 A |
| 1                                    |  | 271 25    | 271 31 | 150 A |
| 1                                    |  | 271 26    | 271 32 | 175 A |
| 1                                    |  | 271 27    | 271 33 | 200 A |
| 1                                    |  | 271 28    | 271 34 | 225 A |
| 1                                    |  | 271 29    | 271 35 | 250 A |

# DRX™ 250 accessories



271 88



271 80



271 85



271 54

## Pack Cat. Nos. Plate for fixing on rail

|   |        |                                      |
|---|--------|--------------------------------------|
| 1 | 271 88 | For fixing the DRX 250 on a DIN rail |
|---|--------|--------------------------------------|



## Rotary handles

|   |        |                                         |
|---|--------|-----------------------------------------|
| 1 | 271 78 | <b>Direct on DRX</b><br>Standard (grey) |
|---|--------|-----------------------------------------|



|   |        |                                                                                                                                                                        |
|---|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 271 79 | <b>Vari-depth handle</b><br>Comprises: the connecting rod, the bracket, the drilling template, the mounting accessories, the door locking mechanism<br>Standard (grey) |
|---|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|   |        |                                                              |
|---|--------|--------------------------------------------------------------|
| 1 | 271 80 | <b>Padlocking</b><br>Accessory for locking in "OFF" position |
|---|--------|--------------------------------------------------------------|



## Connection accessories

|   | 3P     | 4P     | <b>Insulating shields</b><br>Insulate connection between each pole |
|---|--------|--------|--------------------------------------------------------------------|
| 1 | 271 81 |        | Set of 2 shields                                                   |
| 1 |        | 271 82 | Set of 3 shields                                                   |



|   |        |        |                                                               |
|---|--------|--------|---------------------------------------------------------------|
| 1 | 271 85 | 271 86 | <b>Sealable terminal shields</b><br>Set of 2 terminal shields |
|---|--------|--------|---------------------------------------------------------------|



|   |        |        |                                               |
|---|--------|--------|-----------------------------------------------|
| 1 | 271 74 | 271 75 | <b>External cage terminals</b><br>Up to 250 A |
|---|--------|--------|-----------------------------------------------|

## Pack Cat. Nos. Electrical accessories

### Auxiliary contact blocks

For left-hand side mounting only

|   |        |                                                 |
|---|--------|-------------------------------------------------|
| 1 | 271 40 | Block with 1 auxiliary (1 AUX)                  |
| 1 | 271 41 | Block with 1 alarm (1 AL)                       |
| 1 | 271 42 | Block with 1 auxiliary + 1 alarm (1 AUX + 1 AL) |



### Shunt trips

For mounting on either the left or right-hand side of the MCCBs

|   |        |                  |
|---|--------|------------------|
| 1 | 271 50 | 12 V~ and =      |
| 1 | 271 51 | 24 V~ and =      |
| 1 | 271 52 | 48 V~ and =      |
| 1 | 271 53 | 100/130 V~ and = |
| 1 | 271 54 | 200/277 V~ and = |
| 1 | 271 55 | 380/480 V~ and = |



### Undervoltage releases

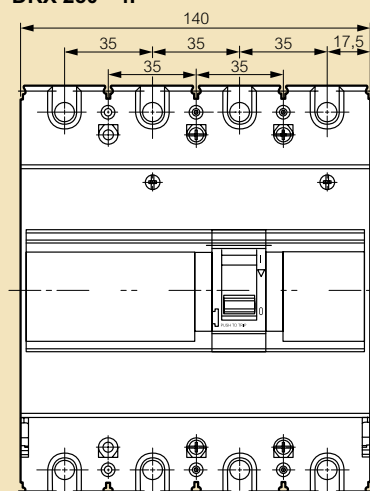
For mounting on either the left or right-hand side of the MCCBs

|   |        |             |
|---|--------|-------------|
| 1 | 271 60 | 12 V~ and = |
| 1 | 271 61 | 24 V~ and = |
| 1 | 271 62 | 48 V~ and = |
| 1 | 271 63 | 110/130 V~  |
| 1 | 271 64 | 200/240 V~  |
| 1 | 271 65 | 380/415 V~  |

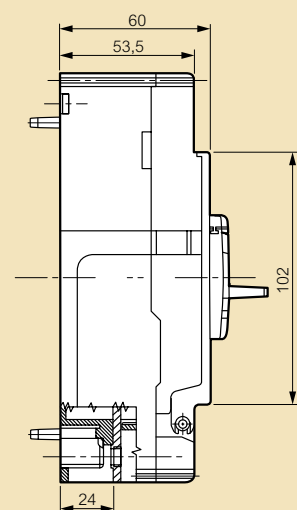
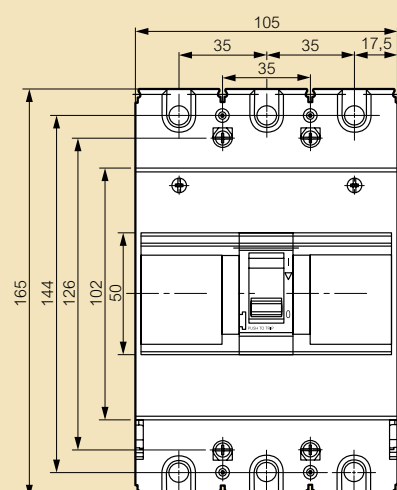


■ Dimensions

**DRX 250 - 4P**

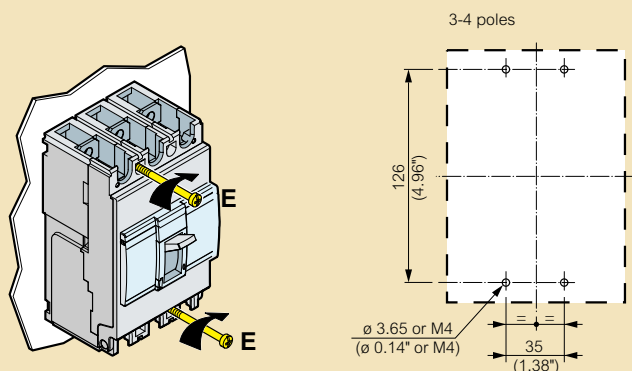


**DRX 250 - 3P**

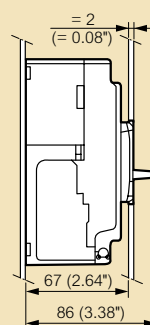
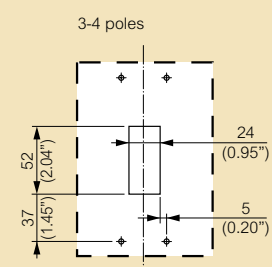
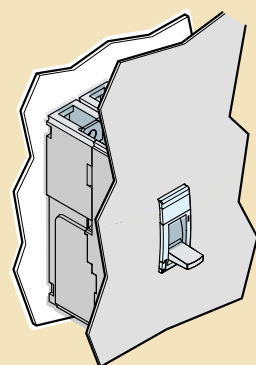
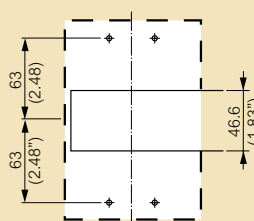
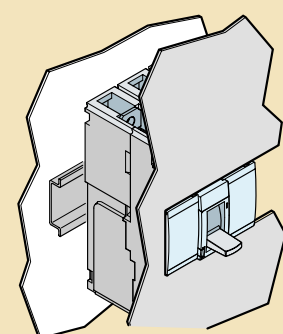
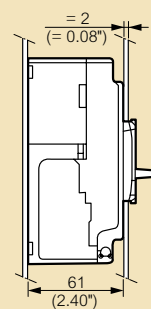
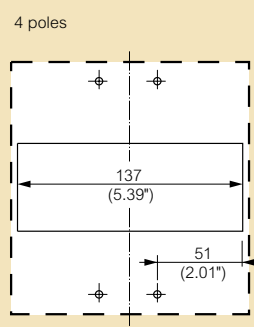
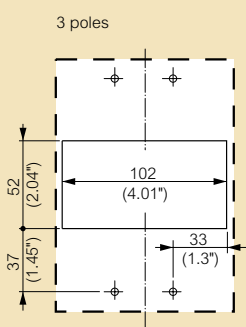
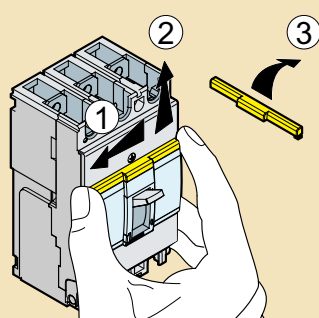
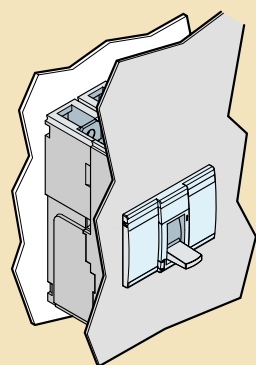


# **DRX™ 250** technical characteristics (continued)

## ■ Fixing on plate

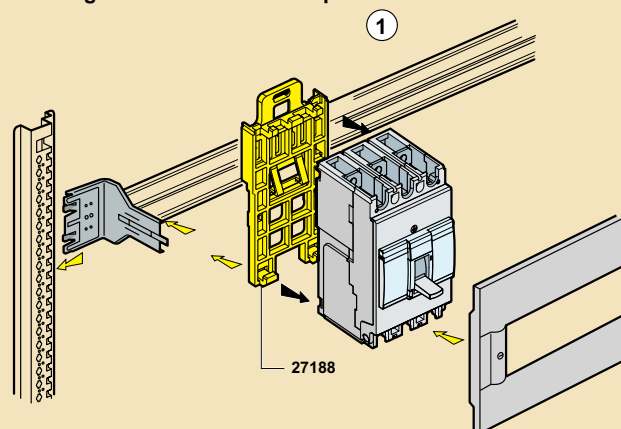


## ■ Door cut-out



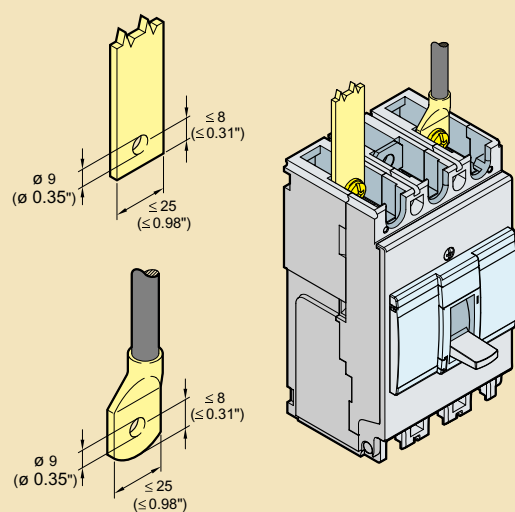
## ■ Mounting

Mounting on a DIN rail with plate



## ■ Connection

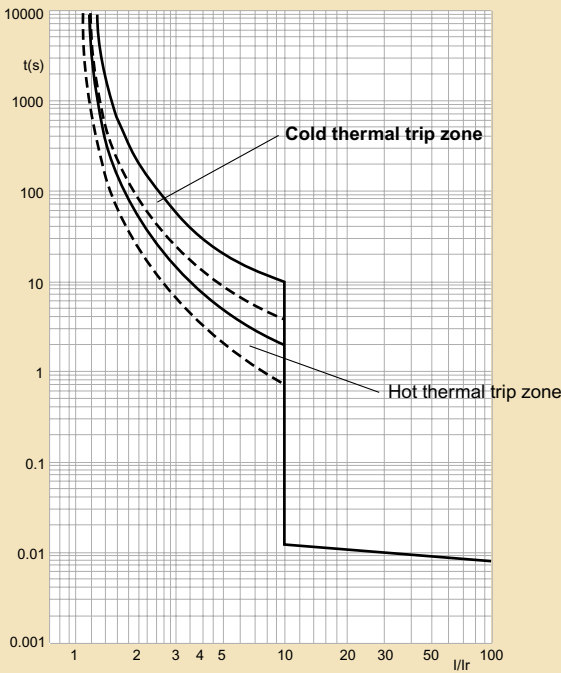
Busbar connection



DRX™ 250  
technical characteristics (continued)

■ Curve

DRX 250 I<sub>max</sub> = 250 A 3P - 4P



| Technical characteristics                                                 |                                     | DRX-B   | DRX-N   | DRX-H   |
|---------------------------------------------------------------------------|-------------------------------------|---------|---------|---------|
| Number of poles                                                           |                                     | 3P - 4P | 3P - 4P | 3P - 4P |
| Nominal current I <sub>n</sub> (A)                                        |                                     | 125-250 | 125-250 | 125-250 |
| Neutral protection for 4 P version (%)                                    |                                     | 100     | 100     | 100     |
| Rated insulation voltage U <sub>i</sub> (V)                               |                                     | 690     | 690     | 690     |
| Rated impulse withstand current U <sub>imp</sub> (kV)                     |                                     | 6       | 6       | 6       |
| Rated operating voltage (50/60 Hz) U <sub>e</sub> (V)                     |                                     | 600     | 600     | 600     |
| Ultimate breaking capacity I <sub>cu</sub> (kA)<br>IEC 60947-2 380/415 V~ |                                     | 18      | 25      | 36      |
| Standard breaking capacity I <sub>cs</sub> (% I <sub>cu</sub> )           |                                     | 50      | 50      | 50      |
| Utilization category                                                      |                                     | A       | A       | A       |
| Suitable for isolation                                                    |                                     | YES     | YES     | YES     |
| Endurance (cycles)                                                        | mechanical                          | 25 000  | 25 000  | 25 000  |
|                                                                           | electrical<br>at I <sub>n</sub>     | 8 000   | 8 000   | 8 000   |
|                                                                           | electrical<br>at 0.5 I <sub>n</sub> | 10 000  | 10 000  | 10 000  |

