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3VT Molded Case Circuit Breakers up to 1600 A

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Catalog
LV 36

Edition
2014

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Contents

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3WT Air Circuit Breakers up to 4000 A

3VT1 Molded Case Circuit Breakers up to 160 A 3VT2 Molded Case Circuit Breakers up to 250 A 3VT3 Molded Case Circuit Breakers up to 630 A 3VT4 Molded Case Circuit Breakers up to 1000 A 3VT5 Molded Case Circuit Breakers up to 1600 A

iPo plug-in terminals iPo installation terminals Spring-loaded terminals Combination plug-in terminals Insulation displacement terminals Screw terminals Accessories for terminal blocks

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3VT Molded Case Circuit Breakers up to 1600 A

Catalog LV 36 · 2014



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The products contained in this
catalog can also be found in the
Interactive Catalog CA 01.
Article No.:
E86060-D4001-A510-D3-7600

Please contact your local Siemens branch.

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3VT1 Molded Case Circuit Breakers up to 160 A	1
3VT2 Molded Case Circuit Breakers up to 250 A	2
3VT3 Molded Case Circuit Breakers up to 630 A	3
3VT4 Molded Case Circuit Breakers up to 1000 A	4
3VT5 Molded Case Circuit Breakers up to 1600 A	5
Appendix	6



The right one for everyone

Our portfolio includes switchboards, distribution boards, protection, switching, measuring and monitoring devices, switches and socket outlets. All over the world, the universality, modularity and intelligence of our components and systems give you innumerable benefits – all the time they are in use. Developed according to the respective international standards, we offer forward-looking design with innovative functions and ensure the highest quality standards world-wide

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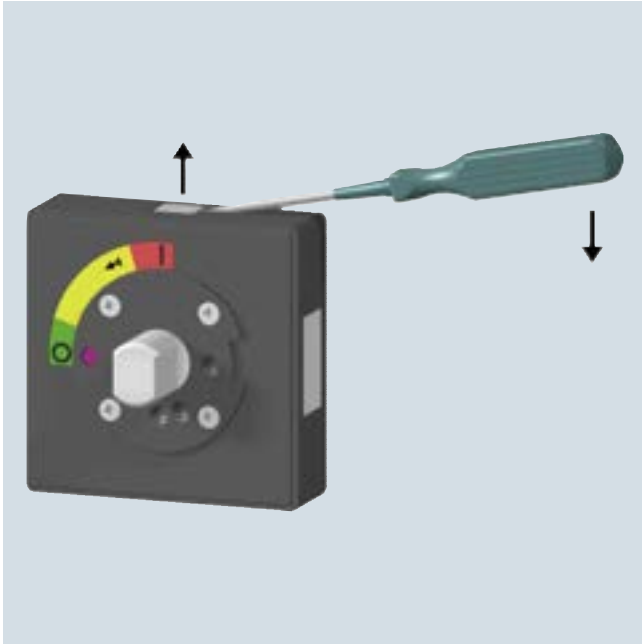
Everything for power distribution

Consistent solutions are required for electrical power distribution in buildings. Our answer is Totally Integrated Power (TIP). TIP stands for innovative products, systems and software tools which ensure the safe and reliable distribution of electric power. They are supplemented by communication-capable circuit breakers and modules which connect the power distribution system to the building automation system or industrial automation solutions. These in turn can be linked to a comprehensive energy management system which contributes to optimizing the consumption of electricity and hence to lowering the costs of operation.

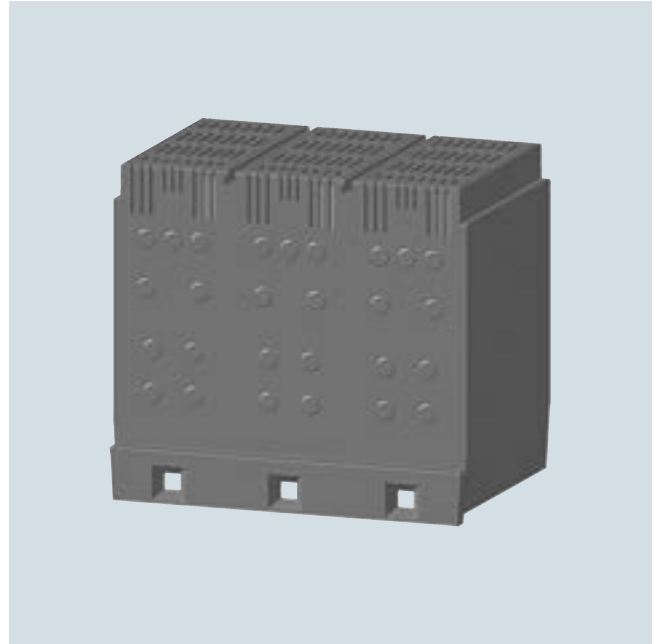
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New developments

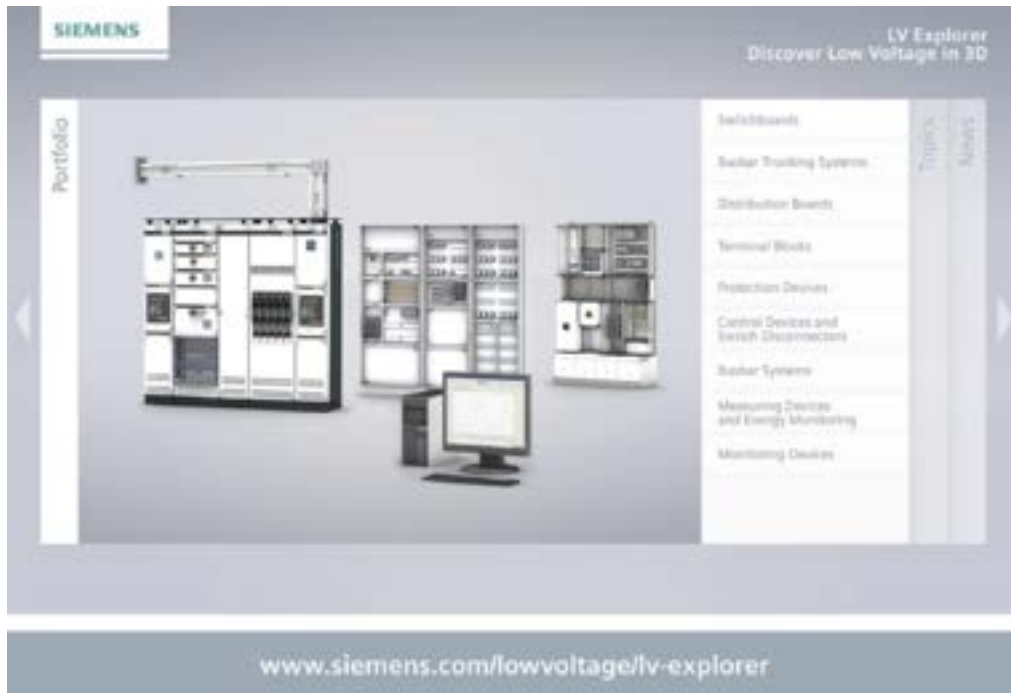


Coupling driver for door-coupling operating mechanism can be defeated.
For 3VT2 and for 3VT3 → page 2/6 or 3/6



Terminal cover protection. For 3VT4 and for 3VT5 → page 4/7 or 5/7

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Always at your service – every step of the way

We offer comprehensive support, from planning to configuration to operation.

Notice

3VT1 Molded Case Circuit Breakers up to 160 A



Catalog

1/2	General data
1/3	Circuit breakers · Switch disconnectors
	<u>Accessories and Components</u>
1/6	Auxiliary switches · auxiliary trip units
1/7	Manual/motorized operating mechanisms
1/9	Residual current devices
1/10	Connecting accessories
1/11	Mounting accessories

Technical Information

	3VT1 Molded Case Circuit Breakers up to 160 A
1/12	Circuit breakers · Switch disconnectors
	<u>Accessories and Components</u>
1/16	Trip units
1/22	Auxiliary switches
1/24	Auxiliary trip units
1/25	Rotary operating mechanisms
1/28	Motorized operating mechanism
1/34	Insulating barriers and terminal covers
1/36	Residual current devices
	<u>Project Planning Assistance</u>
1/39	Dimensional drawings

3VT1 Molded Case Circuit Breakers up to 160 A

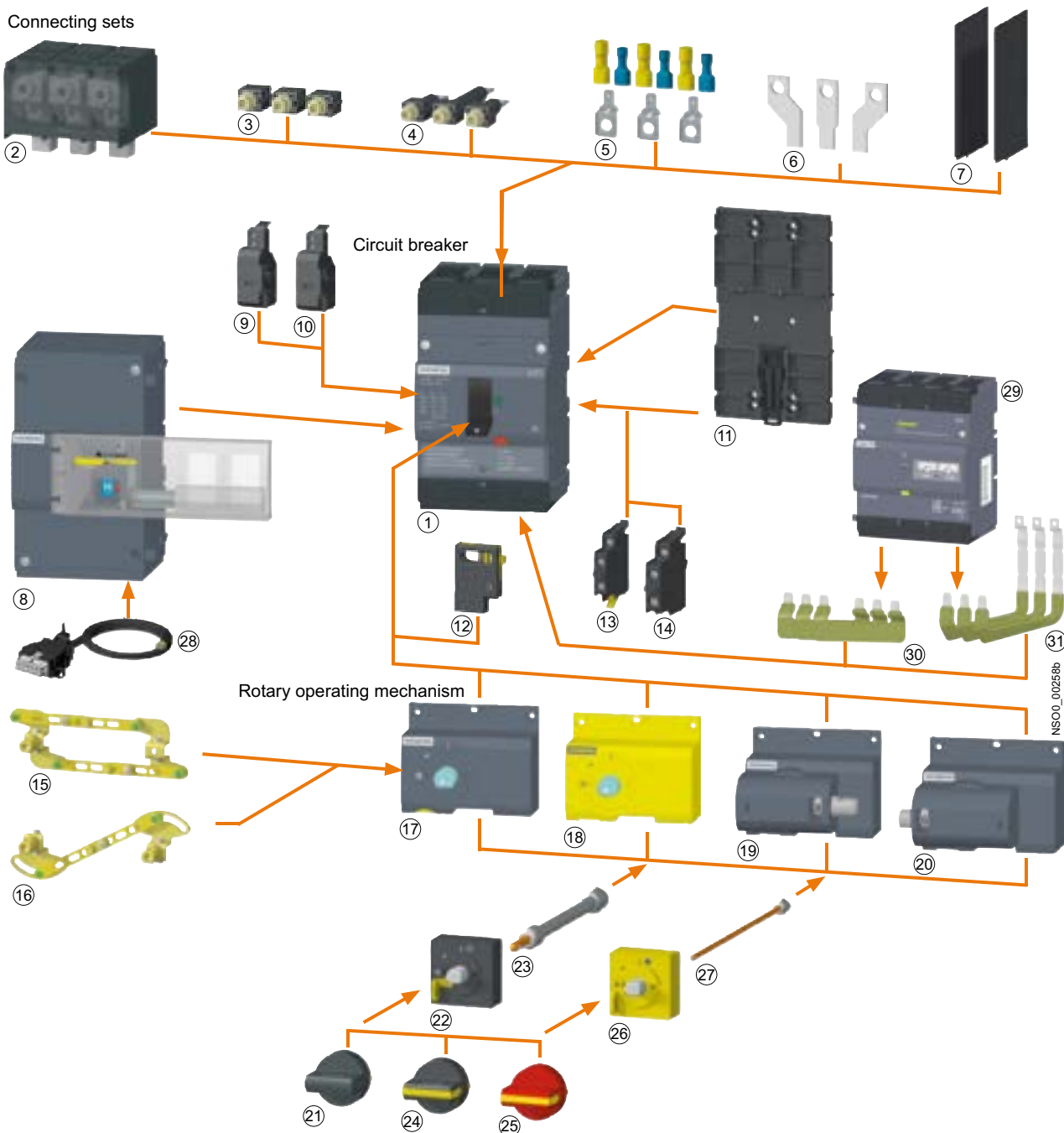
Catalog

General data

Overview

Versions and accessories

Connecting sets



- | | | |
|--|--|--|
| ① 3VT circuit breaker | ⑪ Adapter to install on 35 mm DIN rail | ⑫ Coupling driver |
| ② Circular conductor terminal | ⑫ Lockingtype lever | ⑬ Telescopic extension shaft |
| ③ Front connection | ⑬ Signal switch | ⑭ Lockable knob |
| ④ Rear connection | ⑭ Auxiliary switch | ⑮ Lockable knob |
| ⑤ Auxiliary conductor terminal | ⑮ Mechanical parallel switching | ⑯ Coupling driver |
| ⑥ Front connecting bus with increased pole spacing | ⑯ Mechanical interlocking | ⑰ Extension shaft |
| ⑦ Insulating barriers | ⑰ Front manual operating mechanism | ⑱ Extension Cable |
| ⑧ Laterally mounted motorized operating mechanism | ⑱ Front manual operating mechanism | ⑲ Residual current device (RCD) module |
| ⑨ Shunt trip unit | ⑲ Lateral manual operating mechanism (right) | ⑳ Connection set for RCD, short |
| ⑩ Undervoltage trip unit | ⑲ Lateral manual operating mechanism (left) | ㉑ Connection set for RCD, long |
| | ㉑ Non lockable knob | |

Overview

Circuit breaker

Circuit breaker, 3-/4-pole versions

- The 3- or 4-pole versions of the circuit breakers include:
- 2 connecting sets (box terminals), for connecting Cu/Al cables¹⁾ with cross-sections of 2.5 ... 95 mm² (these terminals are connected to the circuit breaker)
 - insulating barriers
 - set of two mounting bolts (M3 x 30)

Switch disconnector

Switch disconnector, 3-/4-pole versions

- The 3- or 4-pole versions of the switch disconnectors include:
- 2 connecting sets (box terminals), for connecting Cu/Al cables¹⁾ with cross-sections of 2.5 ... 95 mm² (these terminals are connected to the switch disconnector)
 - insulating barriers
 - set of two mounting bolts (M3 x 30)

Selection and ordering data

Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short circuit releases "I" I_i	DT	Article No.	PS*/P. unit	Weight per PU approx.
A	A	A				kg
Circuit breakers with tripping characteristic L²⁾						
TM³⁾, LI function, 3-pole						
• with permanently fixed thermal overload trip unit, fixed short-circuit trip unit						
40	40	160		3VT1704-2DA36-0AA0	1 unit	1.043
50	50	200		3VT1705-2DA36-0AA0	1 unit	1.043
63	63	252		3VT1706-2DA36-0AA0	1 unit	1.062
80	80	320		3VT1708-2DA36-0AA0	1 unit	1.050
100	100	400		3VT1710-2DA36-0AA0	1 unit	1.047
125	125	500		3VT1712-2DA36-0AA0	1 unit	1.047
160	160	640		3VT1716-2DA36-0AA0	1 unit	1.047
TM, LI function, 3-pole + N, for unprotected N-conductor						
• with permanently fixed thermal overload trip unit, fixed short-circuit trip unit						
40	40	160		3VT1704-2EA46-0AA0	1 unit	1.336
50	50	200		3VT1705-2EA46-0AA0	1 unit	1.336
63	63	252		3VT1706-2EA46-0AA0	1 unit	1.336
80	80	320		3VT1708-2EA46-0AA0	1 unit	1.336
100	100	400		3VT1710-2EA46-0AA0	1 unit	1.336
125	125	500		3VT1712-2EA46-0AA0	1 unit	1.336
160	160	640		3VT1716-2EA46-0AA0	1 unit	1.336
TM, LIN function, 4-pole, for protected N-conductor, Permissible load of N pole is 100%						
• with permanently fixed overload trip unit, fixed short-circuit trip unit						
40	40	160		3VT1704-2EH46-0AA0	1 unit	1.336
50	50	200		3VT1705-2EH46-0AA0	1 unit	1.336
63	63	252		3VT1706-2EH46-0AA0	1 unit	1.336
80	80	320		3VT1708-2EH46-0AA0	1 unit	1.336
100	100	400		3VT1710-2EH46-0AA0	1 unit	1.336
125	125	500		3VT1712-2EH46-0AA0	1 unit	1.336
160	160	640		3VT1716-2EH46-0AA0	1 unit	1.336

¹⁾ For other connection methods, use connecting sets, see page 1/10

²⁾ See pages 1/16 (3-pole) and 1/21 (4-pole)

³⁾ TM = Thermal-magnetic trip unit.

3VT1 Molded Case Circuit Breakers up to 160 A

Catalog

Circuit breakers Switch disconnectors

1

Rated current I_n	Current setting of the inverse-time delayed overcurrent releases "L" I_R	Operating current of the instantaneous short circuit releases "I" I_I	DT	Article No.	PS*/ P. unit	Weight per PU approx.
A	A	A				kg
Circuit breakers with tripping characteristic D¹⁾						
TM, LI function 3-pole						
• with adjustable thermal overload trip unit, adjustable short-circuit trip unit						
16	12.5 ... 16	160 ... 240		3VT1701-2DC36-0AA0	1 unit	1.048
20	16 ... 20	200 ... 300		3VT1702-2DC36-0AA0	1 unit	1.048
25	20 ... 25	250 ... 375		3VT1792-2DC36-0AA0	1 unit	1.043
32	25 ... 32	160 ... 320		3VT1703-2DC36-0AA0	1 unit	1.047
40	32 ... 40	200 ... 400		3VT1704-2DC36-0AA0	1 unit	1.038
50	40 ... 50	250 ... 500		3VT1705-2DC36-0AA0	1 unit	1.043
63	50 ... 63	315 ... 630		3VT1706-2DC36-0AA0	1 unit	1.062
80	63 ... 80	400 ... 800		3VT1708-2DC36-0AA0	1 unit	1.062
100	80 ... 100	500 ... 1000		3VT1710-2DC36-0AA0	1 unit	1.047
125	100 ... 125	625 ... 1250		3VT1712-2DC36-0AA0	1 unit	1.047
160	125 ... 160	800 ... 1600		3VT1716-2DC36-0AA0	1 unit	1.070
TM, LI function 3-pole +N, for unprotected N-conductor						
• with adjustable thermal overload trip unit, adjustable short-circuit trip unit						
16	12.5 ... 16	160 ... 240		3VT1701-2EC46-0AA0	1 unit	1.336
20	16 ... 20	200 ... 300		3VT1702-2EC46-0AA0	1 unit	1.336
25	20 ... 25	250 ... 375		3VT1792-2EC46-0AA0	1 unit	1.336
32	25 ... 32	160 ... 320		3VT1703-2EC46-0AA0	1 unit	1.336
40	32 ... 40	200 ... 400		3VT1704-2EC46-0AA0	1 unit	1.336
50	40 ... 50	250 ... 500		3VT1705-2EC46-0AA0	1 unit	1.336
63	50 ... 63	315 ... 630		3VT1706-2EC46-0AA0	1 unit	1.336
80	63 ... 80	400 ... 800		3VT1708-2EC46-0AA0	1 unit	1.336
100	80 ... 100	500 ... 1000		3VT1710-2EC46-0AA0	1 unit	1.336
125	100 ... 125	625 ... 1250		3VT1712-2EC46-0AA0	1 unit	1.336
160	125 ... 160	800 ... 1600		3VT1716-2EC46-0AA0	1 unit	1.336
TM, LIN function, 4-pole, for protected N-conductor, Permissible load of N pole is 100%						
• with adjustable thermal overload trip unit, adjustable short-circuit trip unit						
16	12.5 ... 16	160 ... 240		3VT1701-2EJ46-0AA0	1 unit	1.336
20	16 ... 20	200 ... 300		3VT1702-2EJ46-0AA0	1 unit	1.336
25	20 ... 25	250 ... 375		3VT1792-2EJ46-0AA0	1 unit	1.336
32	25 ... 32	160 ... 320		3VT1703-2EJ46-0AA0	1 unit	1.336
40	32 ... 40	200 ... 400		3VT1704-2EJ46-0AA0	1 unit	1.336
50	40 ... 50	250 ... 500		3VT1705-2EJ46-0AA0	1 unit	1.336
63	50 ... 63	315 ... 630		3VT1706-2EJ46-0AA0	1 unit	1.336
80	63 ... 80	400 ... 800		3VT1708-2EJ46-0AA0	1 unit	1.336
100	80 ... 100	500 ... 1000		3VT1710-2EJ46-0AA0	1 unit	1.336
125	100 ... 125	625 ... 1250		3VT1712-2EJ46-0AA0	1 unit	1.336
160	125 ... 160	800 ... 1600		3VT1716-2EJ46-0AA0	1 unit	1.336

¹⁾ See pages 1/16 (3-pole) and 1/21 (4-pole)

Rated current I_n	Current setting of the inverse-time delayed overcurrent releases 'L' I_R	Operating current of the instantaneous short circuit releases 'I' I_i	DT	Article No.	PS*/P. unit	Weight per PU approx.
A	A	A				kg
Circuit breakers, for short-circuit protection only (tripping characteristic N¹⁾), for starter combination						
TM, I function, 3-pole						
• without overload trip unit, with <u>adjustable</u> short-circuit trip unit						
32	32	160 ... 320		3VT1703-2DB36-0AA0	1 unit	1.043
40	40	200 ... 400		3VT1704-2DB36-0AA0	1 unit	1.043
50	50	250 ... 500		3VT1705-2DB36-0AA0	1 unit	1.048
63	63	315 ... 630		3VT1706-2DB36-0AA0	1 unit	1.048
80	80	400 ... 800		3VT1708-2DB36-0AA0	1 unit	1.048
100	100	500 ... 1000		3VT1710-2DB36-0AA0	1 unit	1.050
125	125	625 ... 1250		3VT1712-2DB36-0AA0	1 unit	1.059
160	160	800 ... 1600		3VT1716-2DB36-0AA0	1 unit	1.048
TM, I function, 3-pole +N, for unprotected conductors						
• without overload trip unit, with <u>adjustable</u> short-circuit trip unit						
32	32	160 ... 320		3VT1703-2EB46-0AA0	1 unit	1.336
40	40	200 ... 400		3VT1704-2EB46-0AA0	1 unit	1.336
50	50	250 ... 500		3VT1705-2EB46-0AA0	1 unit	1.336
63	63	315 ... 630		3VT1706-2EB46-0AA0	1 unit	1.336
80	80	400 ... 800		3VT1708-2EB46-0AA0	1 unit	1.336
100	100	500 ... 1000		3VT1710-2EB46-0AA0	1 unit	1.336
125	125	625 ... 1250		3VT1712-2EB46-0AA0	1 unit	1.336
160	160	800 ... 1600		3VT1716-2EB46-0AA0	1 unit	1.336
TM, I function, 4P, for protected N conductor, Permissible load of N pole is 100% NEW						
• without overload trip unit, with <u>adjustable</u> short-circuit trip unit						
32	32	160 ... 320		3VT1703-2EG46-0AA0	1 unit	1.336
40	40	200 ... 400		3VT1704-2EG46-0AA0	1 unit	1.336
50	50	250 ... 500		3VT1705-2EG46-0AA0	1 unit	1.336
63	63	315 ... 630		3VT1706-2EG46-0AA0	1 unit	1.336
80	80	400 ... 800		3VT1708-2EG46-0AA0	1 unit	1.336
100	100	500 ... 1000		3VT1710-2EG46-0AA0	1 unit	1.336
125	125	625 ... 1250		3VT1712-2EG46-0AA0	1 unit	1.336
160	160	800 ... 1600		3VT1716-2EG46-0AA0	1 unit	1.336
Circuit breakers with tripping characteristic M²⁾, for motor protection						
TM, LI function, 3-pole						
• with <u>adjustable</u> thermal overload trip units, <u>fixed</u> short-circuit trip units						
16	12.5 ... 16	160		3VT1701-2DM36-0AA0	1 unit	1.048
20	16 ... 20	200		3VT1702-2DM36-0AA0	1 unit	1.048
25	20 ... 25	250		3VT1792-2DM36-0AA0	1 unit	1.043
32	25 ... 32	315		3VT1703-2DM36-0AA0	1 unit	1.043
40	32 ... 40	400		3VT1704-2DM36-0AA0	1 unit	1.043
50	40 ... 50	500		3VT1705-2DM36-0AA0	1 unit	1.043
63	50 ... 63	625		3VT1706-2DM36-0AA0	1 unit	1.062
80	63 ... 80	800		3VT1708-2DM36-0AA0	1 unit	1.059
100	80 ... 100	1000		3VT1710-2DM36-0AA0	1 unit	1.047
Switch disconnectors						
Switch disconnector, without overload protection, without short circuit protection						
160		3-pole		3VT1716-2DE36-0AA0	1 unit	1.015
160		4-pole		3VT1716-2EE46-0AA0	1 unit	1.336

1) See page 1/16 (3-pole)

2) See pages 1/16 and 1/20

3VT1 Molded Case Circuit Breakers up to 160 A

Catalog - Accessories and Components

Auxiliary switches Auxiliary trip units

1

Overview





Circuit breakers can be equipped with

- auxiliary switches,
- alarm switches,
- shunt trip units,
- undervoltage trip units.

Shunt trip units can trip the circuit breaker from a remote location. A control supply voltage is required.

An undervoltage trip unit trips the circuit breaker automatically when the circuit voltage drops below 70 % U_e . The undervoltage trip unit protects motors and other equipment in case of undervoltage. A control supply voltage is required.

Selection and ordering data

	Rated control supply voltage U_s	DT	Article No.	PS*/ P. unit	Weight per PU approx. kg
	AC 50/60 Hz or DC				
Auxiliary switches and alarm switches					
	Auxiliary switches for signalling the state of the main contacts <ul style="list-style-type: none">• AC/DC 60 ... 250 V• AC/DC 5 ... 60 V		3VT9100-2AB10	1 unit	0.020
			3VT9100-2AB20	1 unit	0.010
	Alarm switches for signalling the tripping of the circuit breaker by an trip unit <ul style="list-style-type: none">• AC/DC 60 ... 250 V• AC/DC 5 ... 60 V		3VT9100-2AH10	1 unit	0.020
			3VT9100-2AH20	1 unit	0.010
Shunt trip units					
	Shunt trip units can trip the circuit breaker from a remote location. <ul style="list-style-type: none">• DC 12 V NEW• AC/DC 24, 48 V• AC 110, 230 V/DC 110, 220 V• AC 230, 400 V/DC 220 V		3VT9100-1SB00	1 unit	0.050
			3VT9100-1SC00	1 unit	0,050
			3VT9100-1SD00	1 unit	0.050
			3VT9100-1SE00	1 unit	0.050
Undervoltage trip units					
	Undervoltage trip units trip the circuit breaker automatically when the circuit voltage drops below 70 % U_e <ul style="list-style-type: none">• AC 24, 48 V• AC 110, 230 V• AC 230, 400 V• DC 24, 48 V• DC 110, 220 V		3VT9100-1UC00	1 unit	0.050
			3VT9100-1UD00	1 unit	0.050
			3VT9100-1UE00	1 unit	0.050
			3VT9100-1UU00	1 unit	0.050
			3VT9100-1UV00	1 unit	0.050

3VT1 Molded Case Circuit Breakers up to 160 A

Catalog - Accessories and Components

Manual/motorized operating mechanisms

1

Overview

Rotary operating mechanisms

The rotary operating mechanism must be combined from the following parts:

- For rotary operation of the circuit breaker:
 - 3VT9100-3HE../HF.. knob
- For operation through the switchgear cabinet door:
 - 3VT9100-3HE../HF.. knob
 - 3VT9100-3HG../HH.. coupling driver
 - 3VT9100-3HJ.. extension shaft,










- For operating through side panel of switchgear cabinet (lateral operation):

- 3VT9100-3HE../HF.. knob
- 3VT9100-3HG../HH.. coupling driver
- 3VT9100-3HJ.. extension shaft

Mechanical interlocking and parallel switching

- The mechanical interlocking must be combined from the following parts:
 - 2 x 3VT9100-3HA/HB.. rotary operating mechanisms (cannot be used with lateral operation)
 - 2 x 3VT9100-3HE/HF.. knobs (standard) or 1 x 3VT9100-3HE/HF.. knob (parallel switching)

Selection and ordering data

Version	Color	DT	Article No.	PS*/ P. unit	Weight per PU approx. kg
Rotary operating mechanisms					
Rotary operating mechanism					
	• not lockable	gray	3VT9100-3HA10	1 unit	0.079
	• lockable with padlock	gray	3VT9100-3HA20	1 unit	0.122
	• lockable with padlock	yellow	3VT9100-3HB20	1 unit	0.079
	• for lateral operation, mounted on the left side, not lockable	gray	3VT9100-3HC10	1 unit	0.137
	• for lateral operation, mounted on the right side, not lockable	gray	3VT9100-3HD10	1 unit	0.137
Knob					
	• not lockable	black	3VT9100-3HE10	1 unit	0.019
	• lockable with padlock	black	3VT9100-3HE20	1 unit	0.021
	• lockable with padlock	red	3VT9100-3HF20	1 unit	0.019
Coupling driver for door-coupling operating mechanism (with defeat mechanism)					
	Additionally requires 3VT9100-3HE10 or 3VT9100-3HE20 black knob	black	3VT9100-3HG10	1 unit	0.042
		black	3VT9100-3HG20	1 unit	0.098
	Additionally requires 3VT9100-3HF20 red knob	yellow	3VT9100-3HH10	1 unit	0.042
		yellow	3VT9100-3HH20	1 unit	0.098
Extension shaft					
	• length 350 mm, can be shortened		3VT9100-3HJ10	1 unit	0.113
	• length 199 ... 352 mm, telescopic		3VT9100-3HJ20	1 unit	0.092

3VT3 Molded Case Circuit Breakers up to 630 A



Catalog

3/2	General data
3/3	Circuit breakers · Switch disconnectors
	<u>Accessories and Components</u>
3/4	Circuit breakers · Switch disconnectors
3/5	Auxiliary switches · Auxiliary trip units
3/6	Manual/motorized operating mechanism
3/8	Mounting accessories
3/9	Connecting accessories
3/10	Further accessories

Technical Information

	3VT3 Molded Case Circuit Breakers up to 630 A
3/11	Circuit breakers · Switch disconnectors
	<u>Accessories and Components</u>
3/17	Trip units
3/26	Auxiliary switches
3/28	Auxiliary trip units
3/30	Rotary operating mechanisms
3/32	Mechanical interlocking and parallel switching
3/34	Motorized operating mechanism
3/39	Mounting accessories for plug-in version
3/42	Mounting accessories for withdrawable version
3/45	Insulating barriers and terminal covers
	<u>Project Planning Assistance</u>
3/47	Dimensional drawings

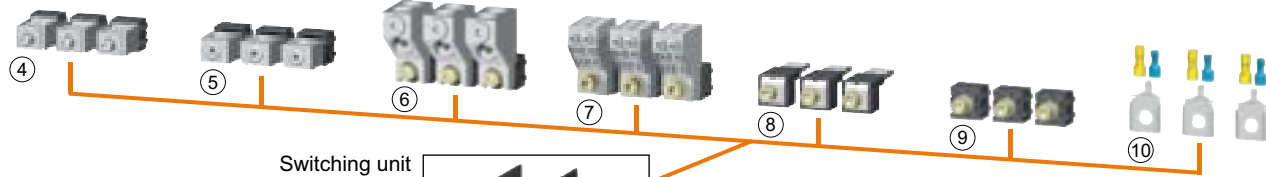
3VT3 Molded Case Circuit Breakers up to 630 A

Catalog

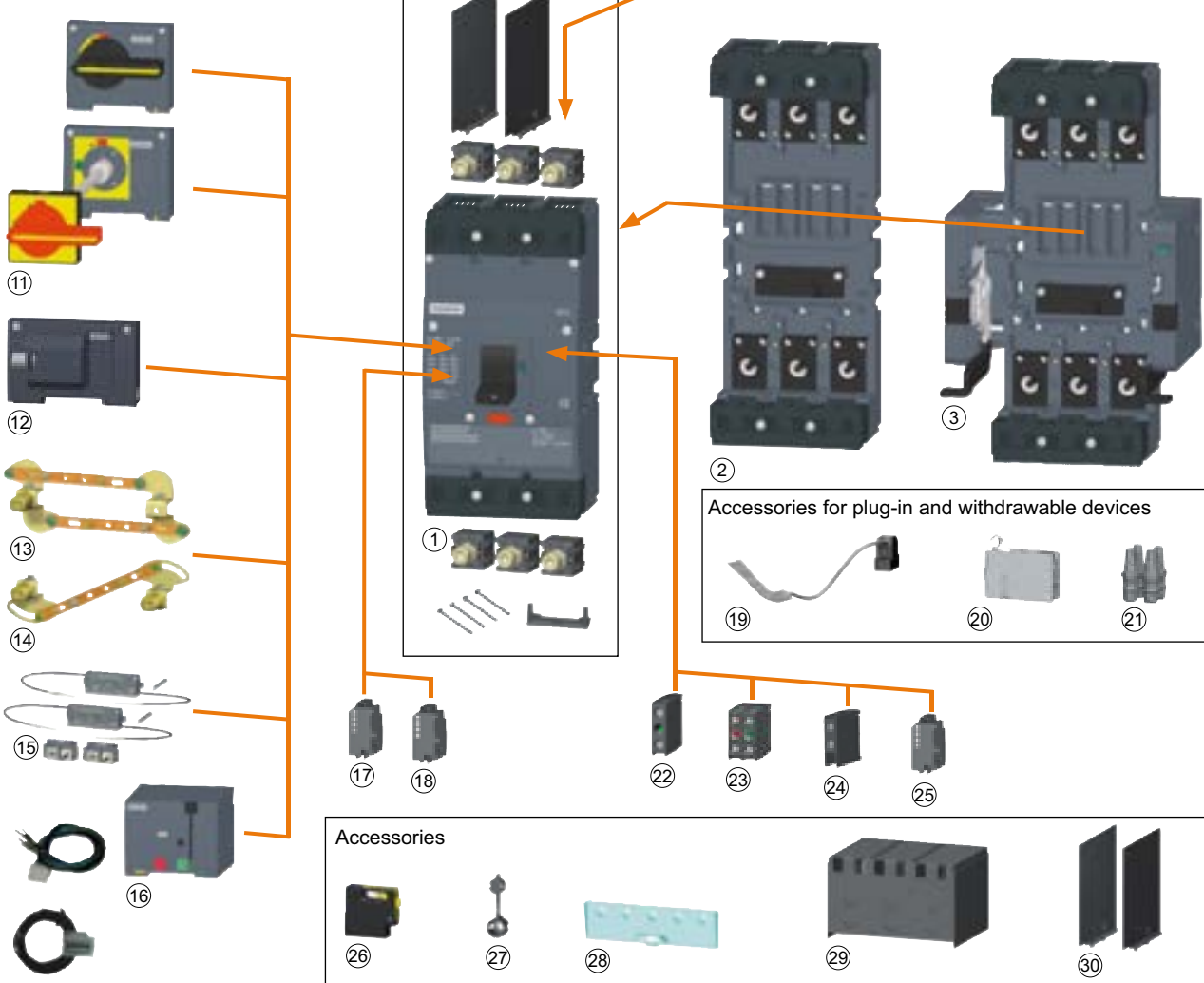
General data

Overview

Connecting sets



Switching unit



NS00_00211b

- ① Molded case circuit breaker
- ② Plug-in device
- ③ Withdrawable device
- ④ Box terminals
- ⑤ Circular conductor terminal
- ⑥ Multiple feed-in terminal
- ⑦ Multiple feed-in terminal
- ⑧ Rear connection
- ⑨ Front connection
- ⑩ Auxiliary conductor terminal

- ⑪ Rotary operating mechanism
- ⑫ Lateral rotary operating mechanism
- ⑬ Mechanical parallel switching
- ⑭ Mechanical interlocking
- ⑮ Mechanical interlocking by Bowden wire
- ⑯ Motor operating mechanism
- ⑰ Shunt trip unit
- ⑱ Undervoltage trip unit
- ⑲ Connecting cable
- ⑳ Position signalling
- ㉑ Coding Set

- ㉒ Auxiliary switch NC/NO
- ㉓ Auxiliary switch NC/NO
- ㉔ Auxiliary switch, change-over contact
- ㉕ Auxiliary switch, early
- ㉖ Locking type lever
- ㉗ Sealing inset
- ㉘ Additional cover for overcurrent releases
- ㉙ Terminal cover
- ㉚ Insulating barriers

Overview

Switching unit

The switching unit includes:

- Two 3VT9300-4TA30 (front connection terminals), connecting sets – for connecting busbars or cable lugs
- 3VT9300-8CE30 insulating barriers
- A set of 4 installation bolts (M5 x 25)

The switching unit must be fitted with a trip unit (circuit breaker) or a 3VT9363-6DT00 switch disconnector unit (switch disconnector)

For maximum circuit breaker/switch disconnector loads in accordance with the ambient temperature, [see page 3/11](#).

For recommended cross-sections of cables, busbars and flexi-bars for fixed-mounted, plug-in and withdrawable versions, [see page 3/11](#).


Circuit breaker

The circuit breakers consist of a 3- or 4-pole switching unit and a trip unit which is available with a choice of different characteristics.

Switch disconnector

The switch disconnector consists of a switching unit and a switch disconnector unit.

Selection and ordering data

	Rated current I_n	Breaking capacity I_{cu} (AC 415 V)	DT	Article No.	PS*/ P. unit	Weight per PU approx. kg
	A	kA				
Switching units						
	3-pole version					
	630	36		3VT3763-2AA36-0AA0	1 unit	5.986
	630	65		3VT3763-3AA36-0AA0	1 unit	5.970
	4-pole version, unprotected N					
	630	36		3VT3763-2AA46-0AA0	1 unit	7.400
	630	65		3VT3763-3AA46-0AA0	1 unit	7.400
	4-pole version, protected N					
	630	36		3VT3763-2AA56-0AA0	1 unit	5.970
	630	65		3VT3763-3AA56-0AA0	1 unit	7.400

3VT4 Molded Case Circuit Breakers up to 1000 A



Catalog

4/2	General data
4/3	Circuit breakers · Switch disconnectors
	<u>Accessories and Components</u>
4/4	Circuit breakers · Switch disconnectors
4/5	Manual/motorized operating mechanisms
4/6	Mounting accessories
4/7	Further accessories

Technical Information

	3VT4 Molded Case Circuit Breakers up to 1000 A
4/8	Circuit breakers · Switch disconnectors
	<u>Accessories and Components</u>
4/9	Trip units
5/35	Dimensional drawings

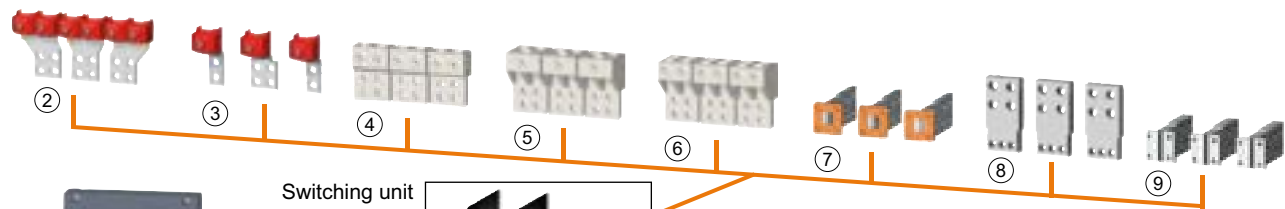
3VT4 Molded Case Circuit Breakers up to 1000 A

Catalog

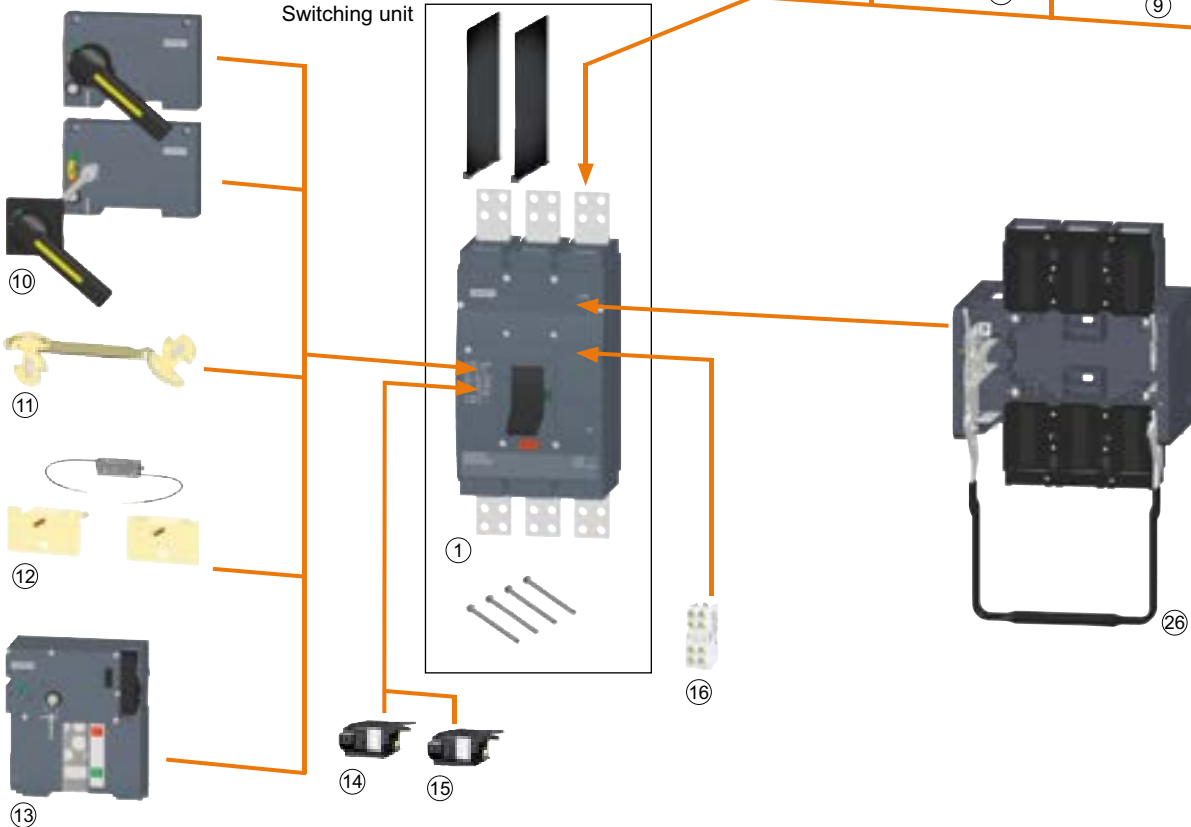
General data

Overview

Connecting sets



Switching unit



Accessories



NS00_00228b

- | | | |
|-------------------------------|--|-----------------------------|
| ① Molded case circuit breaker | ⑩ Rotary operating mechanism | ⑲ Extension cable |
| ② Multiple box terminals | ⑪ Mechanical interlocking | ⑳ Terminal cover |
| ③ Box terminals | ⑫ Mechanical interlocking by Bowden wire | ㉑ Terminal cover |
| ④ Circular conductor terminal | ⑬ Motor operating mechanism | ㉒ Insulating barriers |
| ⑤ Multiple feed-in terminal | ⑭ Shunt trip unit | ㉓ Insulating barriers |
| ⑥ Multiple feed-in terminal | ⑮ Undervoltage trip unit | ㉔ Insulating grommets |
| ⑦ Rear connection | ⑯ Auxiliary switch | ㉕ Mounting bolts |
| ⑧ Front connection | ⑰ Lockingtype lever | ㉖ Withdrawable version base |
| ⑨ Rear connection | ⑱ Sealing inset | |

Overview

Switching unit

The switching unit includes:

- 3VT9500-8CE30 insulating barriers
- connecting sets for front connection - busbars connection

The switching unit must be outfitted with:

- a trip unit ETU DP, MP or UP (circuit breaker) or
- 3VT9410-6DT00 switch disconnector unit

For the withdrawable version, the 3VT4710-3AA38-0AA0 switching unit requires

- 3VT9500-4WA30 withdrawable version base.
The withdrawable version base must be fitted with:
 - 2 x 3VT9500-4EF30 connection set (front connection) or
 - 3VT9500-4RD30 (rear connection)
- We recommend fitting the switching unit with:
 - 3VT9500-4SA40 mounting bolts set (4 x M8 x 60)



Circuit breaker

The circuit breakers consist of a 3-pole switching unit (fixed-mounted or withdrawable version) and a trip unit, which is available with a choice of different characteristics.

Switch disconnector

The switch disconnector consists of a switching unit (fixed-mounted or withdrawable version) and a switch disconnector unit.

Selection and ordering data

	Rated current I_n	Breaking capacity I_{cu} (AC 415 V)	DT	Article No.	PS*/ P. unit	Weight per PU approx.
	A	kA				kg
Switching units						
	Fixed-mounted version, 3-pole					
	1000	55		3VT4710-3AA30-0AA0	1 unit	19.860
	Withdrawable version, 3-pole					
	1000	55		3VT4710-3AA38-0AA0	1 unit	23.000