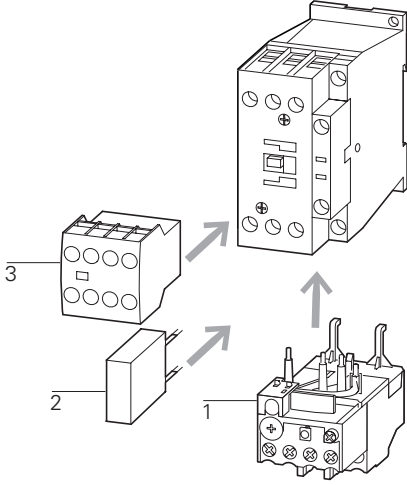


Can be combined with auxiliary contact	AC operation		DC operation		Std. pack	Notes											
	Part no. Article no.	Price See price list	Part no. Article no.	Price See price list													
DILM32-XHI.. DILA-XHI(V)..	DILM7-10(230V50Hz) 276550	DILM7-10(24VDC) 276565	1 off  	Contacts to EN 50 012. For all DC operated contactors DILM7 - DILM15 the following applies: • Integrated varistor-suppressor circuit. For DC operated contactors DILM17 - DILM170 the following applies: • Integrated suppressor circuit in actuating electronics For AC operated contactors DILM115 - DILM170 the following applies: • Integrated suppressor circuit in actuating electronics For DILM7-01 – DILM38-01 the following applies: • With mirror contact. ¹⁾ Electrical lifespan → 98 													
DILA-XHI(V)..	DILM7-01(230V50Hz) 276585	DILM7-01(24VDC) 276600															
DILM32-XHI.. DILA-XHI(V)..	DILM9-10(230V50Hz) 276690	DILM9-10(24VDC) 276705															
DILA-XHI(V)..	DILM9-01(230V50Hz) 276725	DILM9-01(24VDC) 276740															
DILM32-XHI.. DILA-XHI(V)..	DILM12-10(230V50Hz) 276830	DILM12-10(24VDC) 276845															
DILA-XHI(V)..	DILM12-01(230V50Hz) 276865	DILM12-01(24VDC) 276880															
DILM32-XHI.. DILA-XHI(V)..	DILM15-10(230V50Hz)¹⁾ 290058	DILM15-10(24VDC)¹⁾ 290073															
DILA-XHI(V)..	DILM15-01(230V50Hz)¹⁾ 290093	DILM15-01(24VDC)¹⁾ 290108															
DILM32-XHI.. DILA-XHI(V).. DILM32-XHI11-S	DILM17-10(230V50Hz) 277004	DILM17-10(RDC24) 277018															
DILA-XHI(V).. DILM32-XHI11-S	DILM17-01(230V50Hz) 277036	DILM17-01(RDC24) 277050															
DILM32-XHI.. DILA-XHI(V).. DILM32-XHI11-S	DILM25-10(230V50Hz) 277132	DILM25-10(RDC24) 277146															
DILA-XHI(V).. DILM32-XHI11-S	DILM25-01(230V50Hz) 277164	DILM25-01(RDC24) 277178															
DILM32-XHI.. DILA-XHI(V).. DILM32-XHI11-S	DILM32-10(230V50Hz) 277260	DILM32-10(RDC24) 277274															
DILA-XHI(V).. DILM32-XHI11-S	DILM32-01(230V50Hz) 277292	DILM32-01(RDC24) 277306															
DILM32-XHI.. DILA-XHI(V).. DILM32-XHI11-S	DILM38-10(230V50Hz)¹⁾ 112428	DILM38-10(RDC24)¹⁾ 112442															
DILA-XHI(V).. DILM32-XHI11-S	DILM38-01(230V50Hz)¹⁾ 112456	DILM38-01(RDC24)¹⁾ 112470															
<table><tr><th>Accessories</th><th>Page</th></tr><tr><td>1 Overload relay</td><td>→ Overload relay catalog chapter 2</td></tr><tr><td>2 Suppressor</td><td>→ 62</td></tr><tr><td>3 Auxiliary contact module</td><td>→ 47</td></tr><tr><td>Further actuating voltages</td><td>→ 80</td></tr><tr><td>Accessories</td><td>→ 63</td></tr></table>						Accessories	Page	1 Overload relay	→ Overload relay catalog chapter 2	2 Suppressor	→ 62	3 Auxiliary contact module	→ 47	Further actuating voltages	→ 80	Accessories	→ 63
Accessories	Page																
1 Overload relay	→ Overload relay catalog chapter 2																
2 Suppressor	→ 62																
3 Auxiliary contact module	→ 47																
Further actuating voltages	→ 80																
Accessories	→ 63																

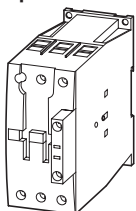
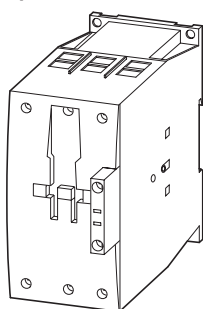
DILM
Basic deviceRated operational
currentMax. motor rating for
three-phase motors 50 - 60 HzConventional thermal
current $I_{th} = I_e$ AC-1
at 60 °C

Contact configuration

Circuit symbol

AC-3	AC-3	AC-4	AC-4
380 V	220 V 380 V 660 V	220 V 380 V 660 V	230 V 400 V 690 V
400 V	230 V 400 V 690 V	230 V 400 V 690 V	

Open

N/O = normally open
contact
NC = normally closed
contact**Screw terminals**
3 pole**Screw terminals**
3 pole

I_e A	P kW	P kW	P kW	P kW	P kW	P kW	$I_{th} = I_e$ A			
40	12.5	18.5	23	5	9	12	50	—	—	
50	15.5	22	30	6	10	14	65	—	—	
65	20	30	35	7	12	17	80	—	—	
72	25	37	35	7	12	17	80	—	—	
80	25	37	63	12	20	26	90	—	—	
95	30	45	75	16	26	35	110	—	—	
115	37	55	90	17	28	43	130	—	—	
150	48	75	96	20	33	48	160	—	—	
170	52	90	140	20	33	48	185	—	—	

Information relevant for export to North AmericaProduct Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA CertificationIEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking
E29096
NLDX
012528
2411-03, 3211-04
UL Listed,
CSA certified
→ Page 91

See also

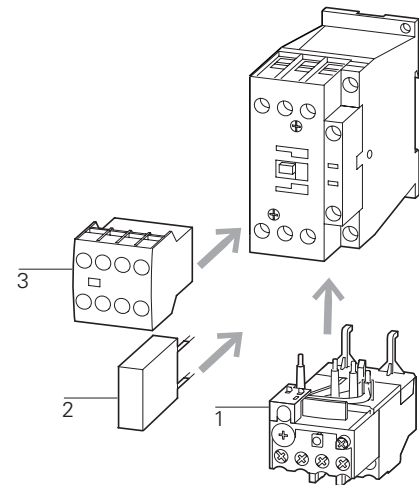
	AC operation		DC operation			
Can be combined with auxiliary contact	Part no. Article no.	Price See price list	Part no. Article no.	Price See price list	Std. pack	Notes

DILM150-XHI(V).. DILM1000-XHI(V)..	DILM40(230V50Hz) 277766	DILM40(RDC24) 277780
DILM150-XHI(V).. DILM1000-XHI(V)..	DILM50(230V50Hz) 277830	DILM50(RDC24) 277844
DILM150-XHI(V).. DILM1000-XHI(V)..	DILM65(230V50Hz) 277894	DILM65(RDC24) 277908
DILM150-XHI(V).. DILM1000-XHI(V)..	DILM72(230V50Hz)¹⁾ 107670	DILM72(RDC24)¹⁾ 107671
DILM150-XHI(V).. DILM1000-XHI(V)..	DILM80(230V50Hz) 239402	DILM80(RDC24) 239416
DILM150-XHI(V).. DILM1000-XHI(V)..	DILM95(230V50Hz) 239480	DILM95(RDC24) 239510
DILM150-XHI(V).. DILM1000-XHI(V)..	DILM115(RAC240) 239548	DILM115(RDC24) 239555
DILM150-XHI(V).. DILM1000-XHI(V)..	DILM150(RAC240) 239588	DILM150(RDC24) 239591
DILM150-XHI(V).. DILM1000-XHI(V)..	DILM170(RAC240)¹⁾ 107013	DILM170(RDC24)¹⁾ 107016

1 off 

Contacts to EN 50012.
For all DC operated contactors DILM7 - DILM15 the following applies:
• Integrated varistor-suppressor circuit.
For DC operated contactors DILM17 - DILM170 the following applies:
• Integrated suppressor circuit in actuating electronics
For AC operated contactors DILM115 - DILM170 the following applies:
• Integrated suppressor circuit in actuating electronics
For DILM7-01 - DILM38-01 the following applies:
• With mirror contact.

¹⁾ Electrical lifespan → 98



Accessories

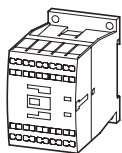
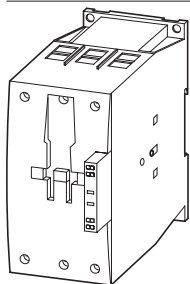
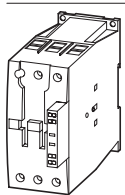
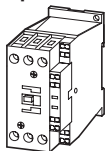
1 Overload relay

2 Suppressor
3 Auxiliary contact module
Further actuating voltages
Accessories

Page

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→ 47
→ 82
→ 63

Spring-loaded terminals
3 poleSpring-loaded terminals on
auxiliary and control circuit
terminals
3 pole**DILM**
Basic device

Rated operational current AC-3	Max. motor rating for three-phase motors 50 - 60 Hz						Conventional thermal current $I_{th} = I_e$ AC-1 at 60 °C	Contact configuration N/O = normally open contact NC = normally closed contact	Circuit symbol	
	AC-3			AC-4						
380 V 400 V I_e A	220 V 230 V P kW	380 V 400 V P kW	660 V 690 V P kW	220 V 230 V P kW	380 V 400 V P kW	660 V 690 V P kW	Open $I_{th} = I_e$ A			
7	2.2	3	3.5	1	2.2	2.9	20	1 N/O	—	
7	2.2	3	3.5	1	2.2	2.9	20	—	1 NC	
9	2.5	4	4.5	1.5	2.5	3.6	20	1 N/O	—	
9	2.5	4	4.5	1.5	2.5	3.6	20	—	1 NC	
12	3.5	5.5	6.5	2	3	4.4	20	1 N/O	—	
12	3.5	5.5	6.5	2	3	4.4	20	—	1 NC	
15.5	4	7.5	7	2	3	4.4	20	1 N/O	—	
15.5	4	7.5	7	2	3	4.4	20	—	1 NC	
18	5	7.5	11	2.5	4.5	6.5	35	1 N/O	—	
18	5	7.5	11	2.5	4.5	6.5	35	—	1 NC	
25	7.5	11	14	3.5	6	8.5	40	1 N/O	—	
25	7.5	11	14	3.5	6	8.5	40	—	1 NC	
32	10	15			7	10	40	1 N/O	—	
32	10	15			7	10	40	—	1 NC	
40	12.5	18.5			9	12	50	—	—	
50	15.5	22			10	14	65	—	—	
65	20	30			12	17	80	—	—	
80	25	37	63	12	20	26	90	—	—	
95	30	45	75	16	26	35	110	—	—	
115	37	55	90	17	28	43	130	—	—	
150	48	75	96	20	33	48	160	—	—	

Information relevant for export to North America

Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
See also

IEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking
E29096
NLDX
012528
2411-03, 3211-04
UL Listed, CSA certified
→ Page 91

Can be combined
with auxiliary
contact

AC operation

Part no.
Article no.

Price
See
price list

DC operation

Part no.
Article no.

Price
See
price list

Std. pack

Notes

DILM32-XHIC.. DILA-XHIC(V)..	DILMC7-10(230V50Hz) 277389	DILMC7-10(24VDC) 277404
DILA-XHIC(V)..	DILMC7-01(230V50Hz) 277421	DILMC7-01(24VDC) 277436
DILM32-XHIC.. DILA-XHIC(V)..	DILMC9-10(230V50Hz) 277453	DILMC9-10(24VDC) 277468
DILA-XHIC(V)..	DILMC9-01(230V50Hz) 277485	DILMC9-01(24VDC) 277500
DILM32-XHIC.. DILA-XHIC(V)..	DILMC12-10(230V50Hz) 277517	DILMC12-10(24VDC) 277532
DILA-XHIC(V)..	DILMC12-01(230V50Hz) 277549	DILMC12-01(24VDC) 277564
DILM32-XHIC.. DILA-XHIC(V)..	DILMC15-10(230V50Hz) 293911	DILMC15-10(24VDC) 293926
DILA-XHIC(V)..	DILMC15-01(230V50Hz) 293946	DILMC15-01(24VDC) 293961
DILM32-XHIC.. DILA-XHIC(V)..	DILMC17-10(230V50Hz) 277581	DILMC17-10(RDC24) 277595
DILA-XHIC(V)..	DILMC17-01(230V50Hz) 277611	DILMC17-01(RDC24) 277625
DILM32-XHIC.. DILA-XHIC(V)..	DILMC25-10(230V50Hz) 277641	DILMC25-10(RDC24) 277655
DILA-XHIC(V)..	DILMC25-01(230V50Hz) 277671	DILMC25-01(RDC24) 277685
DILM32-XHIC.. DILA-XHIC(V)..	DILMC32-10(230V50Hz) 277701	DILMC32-10(RDC24) 277715
DILA-XHIC(V)..	DILMC32-01(230V50Hz) 277731	DILMC32-01(RDC24) 277745
DILM150- XHIC(V)..	DILMC40(230V50Hz) 277965	DILMC40(RDC24) 277979
DILM1000-XHIC..	DILMC50(230V50Hz) 277995	DILMC50(RDC24) 278009
	DILMC65(230V50Hz) 278025	DILMC65(RDC24) 278039
	DILMC80(230V50Hz) 239618	DILMC80(RDC24) 239652
	DILMC95(230V50Hz) 239685	DILMC95(RDC24) 239715
	DILMC115(RAC240) 239736	DILMC115(RDC24) 239741
	DILMC150(RAC240) 239751	DILMC150(RDC24) 239765

1 off

Contacts to EN 50 012.

For DILMC7 – DILMC15 the following applies:

- Auxiliary coil, and main current terminals with spring-loaded terminals.

For DILMC17 – DILMC150 the following applies:

- Auxiliary connections, coil connections with spring-loaded connection terminals.

- Main current connections with screw terminals.

For DC operated contactors DILMC7 - DILMC15 the following applies:

- Integrated varistor-suppressor circuit.

For DC operated contactors DILMC17 - DILMC150 the following applies:

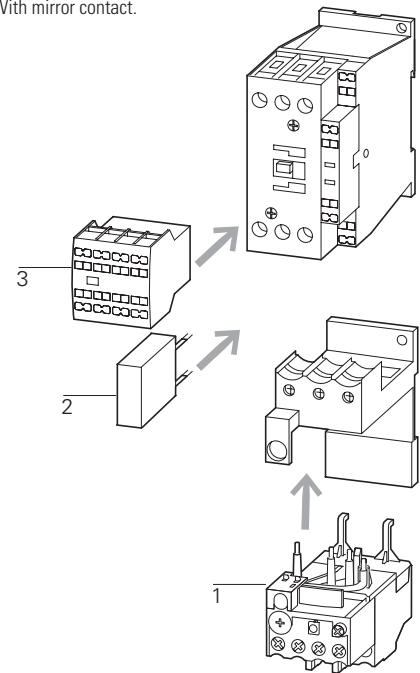
- Integrated suppressor circuit in actuating electronics

For AC operated contactors DILMC115 - DILMC150 the following applies:

- Integrated suppressor circuit in actuating electronics

For DILMC7-01 – DILMC32-01 the following applies:

- With mirror contact.



Accessories

1 Overload relay

2 Suppressor

3 Auxiliary contact module

Further actuating voltages

Accessories

Page

→ Overload relay catalog
chapter 2

→ 61

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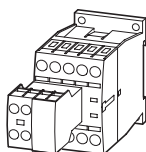
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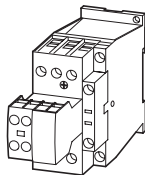
DILM complete device

Rated operational current AC-3	Max. motor rating for three-phase motors 50 - 60 Hz						Conventional free air thermal current $I_{th} = I_e$ AC-1 at 60 °C	Contact	Circuit symbol
	AC-3	AC-3	AC-4						
380 V 400 V	220 V 230 V	380 V 400 V	660 V 690 V	220 V 230 V	380 V 400 V	660 V 690 V			
I_e	P	P	P	P	P	P	Open $I_{th} = I_e$	N/O = normally open contact NC = normally closed contact	
A	kW	kW	kW	kW	kW	kW	A		
7	2.2	3	3.5	1	2.2	2.9	20	2 N/O	1 NC
7	2.2	3	3.5	1	2.2	2.9	20	2 N/O	1 NC
7	2.2	3	3.5	1	2.2	2.9	20	3 N/O	2 NC
9	2.5	4	4.5	1.5	2.5	3.6	20	2 N/O	1 NC
9	2.5	4	4.5	1.5	2.5	3.6	20	2 N/O	1 NC
9	2.5	4	4.5	1.5	2.5	3.6	20	3 N/O	2 NC
12	3.5	5.5	6.5	2	3	4.4	20	2 N/O	1 NC
12	3.5	5.5	6.5	2	3	4.4	20	2 N/O	1 NC
12	3.5	5.5	6.5	2	3	4.4	20	3 N/O	2 NC
15.5	4	7.5	7	2	3	4.4	20	2 N/O	2 NC
18	5	7.5	11	2.5	4.5	6.5	35	2 N/O	1 NC
18	5	7.5	11	2.5	4.5	6.5	35	2 N/O	1 NC
18	5	7.5	11	2.5	4.5	6.5	35	3 N/O	2 NC
25	7.5	11	14	3.5	6	8.5	40	2 N/O	1 NC
25	7.5	11	14	3.5	6	8.5	40	2 N/O	1 NC
25	7.5	11	14	3.5	6	8.5	40	3 N/O	2 NC
32	10	15	17	4	7	10	40	2 N/O	1 NC
32	10	15	17	4	7	10	40	2 N/O	1 NC
32	10	15	17	4	7	10	40	3 N/O	2 NC

Screw terminals



Screw terminals



Information relevant for export to North America



Product Standards	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking
UL File No.	E29096
UL CCN	NLDX
CSA File No.	012528
CSA Class No.	2411-03, 3211-04
NA Certification	UL Listed, CSA certified
See also	→ Page 91

AC operation

Part no.
Article no.

Price
See
price list

DC operation

Part no.
Article no.

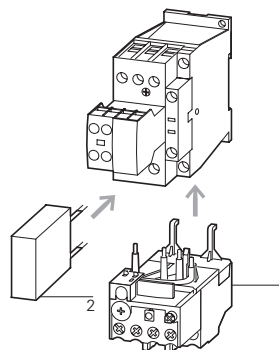
Price
See
price list

Std. pack

Notes

DILM7-21(230V50Hz) 276620	DILM7-21(24VDC) 276635
DILM7-22(230V50Hz) 106360	DILM7-22(24VDC) 106367
DILM7-32(230V50Hz) 276655	DILM7-32(24VDC) 276670
DILM9-21(230V50Hz) 276760	DILM9-21(24VDC) 276775
DILM9-22(230V50Hz) 106361	DILM9-22(24VDC) 106368
DILM9-32(230V50Hz) 276795	DILM9-32(24VDC) 276810
DILM12-21(230V50Hz) 276900	DILM12-21(24VDC) 276915
DILM12-22(230V50Hz) 106362	DILM12-22(24VDC) 106369
DILM12-32(230V50Hz) 276935	DILM12-32(24VDC) 276950
DILM15-22(230V50Hz) 106363	DILM15-22(24VDC) 106370
DILM17-21(230V50Hz) 277068	DILM17-21(RDC24) 277082
DILM17-22(230V50Hz) 106364	DILM17-22(RDC24) 106371
DILM17-32(230V50Hz) 277100	DILM17-32(RDC24) 277114
DILM25-21(230V50Hz) 277196	DILM25-21(RDC24) 277210
DILM25-22(230V50Hz) 106365	DILM25-22(RDC24) 106372
DILM25-32(230V50Hz) 277228	DILM25-32(RDC24) 277242
DILM32-21(230V50Hz) 277324	DILM32-21(RDC24) 277338
DILM32-22(230V50Hz) 106366	DILM32-22(RDC24) 106373
DILM32-32(230V50Hz) 277356	DILM32-32(RDC24) 277370

1 off

Accessories

1 Overload relay

2 Suppressor

Accessories

Page

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For all DC operated contactors DILM7 - DILM15 the following applies:

- Integrated varistor suppressor circuit.

For DC operated contactors DILM17 - DILM170 the following applies:

- Integrated suppressor circuit in actuating electronics

For AC operated contactors DILM115 - DILM170 the following applies:

- Integrated suppressor circuit in actuating electronics

For DILM7 - DILM150 the following applies:

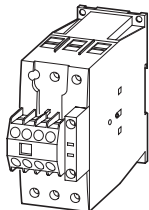
- With mirror contact.

Contacts to EN 50012

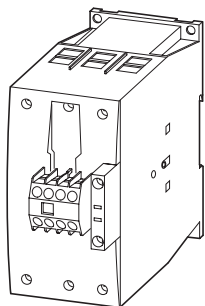
DILM complete device

Rated operational current	Max. motor rating for three-phase motors 50 - 60 Hz						Conventional free air thermal current $I_{th} = I_e$ AC-1 at 60 °C	Contact	Circuit symbol	
AC-3	AC-3			AC-4			Open $I_{th} = I_e$	Contact configuration: ☹ = Safety function by positive opening according to IEC/EN 60947-5-1		
380 V 400 V	220 V	380 V 400 V	660 V	220 V	380 V 400 V	660 V				
I_e	P	P	P	P	P	P				
A	kW	kW	kW	kW	kW	kW				
40	12.5	18.5	23	5	9	12	50	2 N/O	2 NC	
50	15.5	22	30	6	10	14	65	2 N/O	2 NC	
65	20	30	35	7	12	17	80	2 N/O	2 NC	
80	25	37	63	12	20	26	90	2 N/O	2 NC	
95	30	45	75	16	26	35	110	2 N/O	2 NC	
115	37	55	90	17	28	43	130	2 N/O	2 NC	
150	48	75	96	20	34	48	160	2 N/O	2 NC	

Screw terminals



Screw terminals



Information relevant for export to North America



Product Standards	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking
UL File No.	E29096
UL CCN	NLDX
CSA File No.	012528
CSA Class No.	2411-03, 3211-04
NA Certification	UL Listed, CSA certified
See also	→ Page 91

AC operation

Part no.
Article no.

Price
See
price list

DC operation

Part no.
Article no.

Price
See
price list

Std. pack

Notes

DILM40-22(230V50Hz)
277798

DILM40-22(RDC24)
277812

1 off


DILM50-22(230V50Hz)
277862

DILM50-22(RDC24)
277876

DILM65-22(230V50Hz)
277926

DILM65-22(RDC24)
277940

DILM80-22(230V50Hz)
239449

DILM80-22(RDC24)
239463

DILM95-22(230V50Hz)
239527

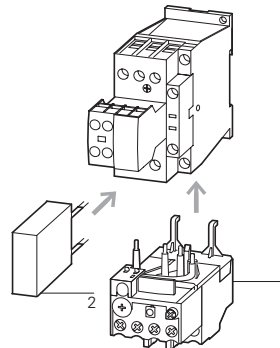
DILM95-22(RDC24)
239541

DILM115-22(RAC240)
239578

DILM115-22(RDC24)
239581

DILM150-22(RAC240)
239598

DILM150-22(RDC24)
239601



Accessories

1 Overload relay

2 Suppressor

Accessories

Page

→ Overload relay Catalog Chapter 2

→ 61

→ 63

For DC operated contactors DILM17 - DILM170 the following applies:

- Integrated suppressor circuit in actuating electronics

For AC operated contactors DILM115 - DILM170 the following applies:

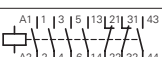
- Integrated suppressor circuit in actuating electronics

For DILM7 - DILM150 the following applies:

- With mirror contact.

Contacts to EN 50012

DILM...S/22... Standard device for currents greater than 150 A

Rated operational current	Max. motor rating for three-phase motors 50 - 60 Hz						Conventional thermal current $I_{th} = I_e$ AC-1 at 40 °C Open $I_{th} = I_e$	Circuit symbol	For use with
AC-3	AC-3			AC-4					
380 V	220 V	380 V	660 V	220 V	380 V	660 V			
400 V	230 V	400 V	690 V	230 V	400 V	690 V			
I_e	P	P	P	P	P	P			
A	kW	kW	kW	kW	kW	kW			
250	75	132	240	62	110	189	400		DILM820-XHI...
300	90	160	195	75	132	160	430		DILM820-XHI...
400	125	200	344	92	160	283	612		DILM820-XHI...
500	155	250	344	112	200	344	857		DILM820-XHI...
580	185	315	344	112	200	344	920		DILM820-XHI...

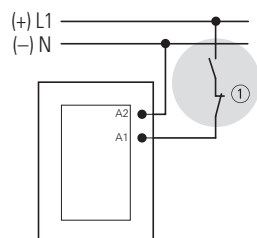
Notes

¹⁾ Availability from August 2010.
Previous DILM300/22, see Online Catalog at <http://www.eaton.com/electrical>

For all contactors the following applies:

- 660 V, 690 V or 1000 V: do not reverse directly
- Integrated suppressor circuit in actuating electronics.

DILM...S contactors are actuated conventionally



① Stopping in the event of an emergency (emergency switching off)

Accessories

Auxiliary contact modules

Enclosures

Further actuating voltages

Page

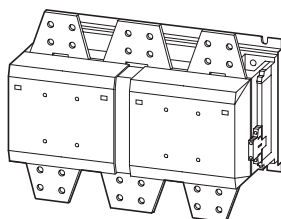
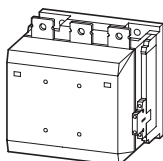
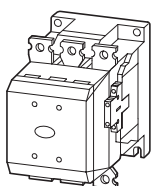
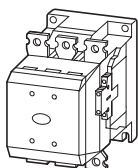
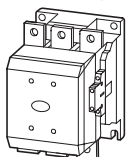
→ 49

totally insulated

→ 88

Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America	
			 	
DILM250-S/22(220-240V50/60Hz) 274190		1 off  	Product Standards UL File No. UL CCN CSA File No. CSA Class No. NA Certification	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking E29096 NLDX 1017510 3211-04 UL Listed, CSA certified
DILM300A-S/22(220-240V50/60Hz)¹⁾ 139559		1 off  	Request filed for UL and CSA	
DILM400-S/22(220-240V50/60Hz) 274196		1 off  	Product Standards UL File No. UL CCN CSA File No. CSA Class No. NA Certification	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking E29096 NLDX 012528 3211-04 UL Listed, CSA certified
DILM500-S/22(220-240V50/60Hz) 274199		1 off  	See also	Additional approvals, → Page 93
DILM570-S/22(220-240V50/60Hz) 110744		1 off  		

Contactors, comfort DILM



DILM, DILH

Rated
operational
currentMax. motor rating for
three-phase motors 50 - 60 HzConventional
thermal
current $I_{th} = I_e$
AC-1 at 60 °C

Circuit symbol

AC-3

AC-3

AC-4

Open

380 V
400 V**380 V**
400 V660 V
690 V

1000 V

380 V
400 V660 V
690 V

1000 V

I_e
A**P**
kW**P**
kW**P**
kW**P**
kW**P**
kW**P**
kW**A****185**

55

90

140

108

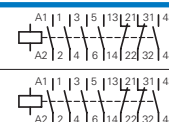
41

75

102

77

275

**225**

70

110

150

108

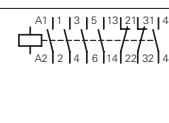
51

90

110

77

315

**250**

75

132

195

108

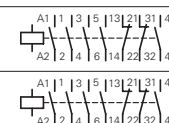
62

110

160

109

330

**300**

90

160

195

132

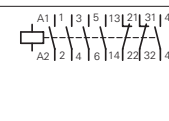
75

132

160

109

350

**400**

125

200

344

132

92

160

283

132

500

**500**

155

250

344

132

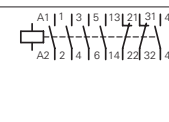
112

200

344

132

700

**580**

185

315

560

600

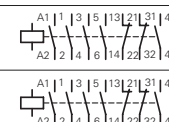
143

250

440

509

800

**650**

205

355

630

600

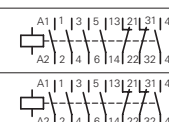
161

280

494

509

850

**750**

240

400

720

800

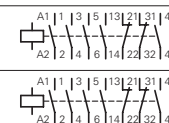
181

315

556

678

900

**820**

260

450

750

800

209

355

633

678

1000

**1000**

315

560

1000

1100

260

450

780

1000

1000

**1600**

500

900

1600

1770

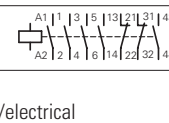
430

750

1300

1650

1800



Notes

1) Availability from August 2010.

Previous DILM185/22 to DILM300/22, see Online Catalog at <http://www.eaton.com/electrical>

For all contactors the following applies:

- 660 V, 690 V or 1000 V: do not reverse directly
- Integrated suppressor circuit in actuating electronics.

When operating contactors DILM580 to DILM1600 behind a frequency inverter or mains with strong harmonic loads, the suppressor circuit on the load side must be removed.

During high-voltage tests, the suppressor circuit on the load-side for DILM580 to DILH2600 contactors must be disconnected (see instructional leaflet).

Control voltages

RA250 $\triangleq$ 110 V - 250 V AC/DCRAW250 $\triangleq$ 230 V - 250 V AC/DC

Accessories

Auxiliary contact modules

Suppressor circuits on load side

Enclosures

Further actuating voltages

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→ 49

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→ 83

totally insulated

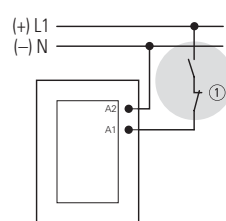
Part no.	Price See price list	Std. pack	Notes
----------	----------------------------	-----------	-------

DILM185A/22(RAC240)¹⁾
139537

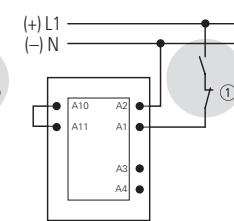


Conventional
A1/A2 are attached
to power supply as
normal

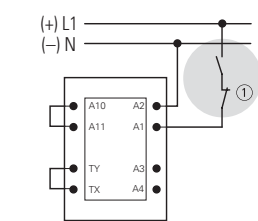
DILM 185 A, DILM 225 A



DILM250 to DILM1000, DILH1400



DILM1600 to DILH 2600



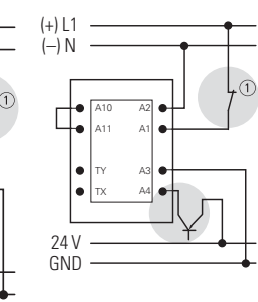
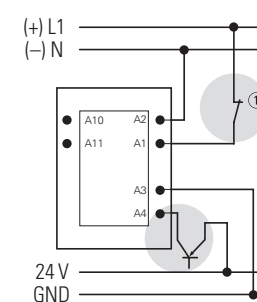
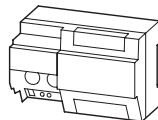
DILM225A/22(RAC240)¹⁾
139547

DILM250/22(RA250)²⁾
208201

DILM300A/22(RA250)^{1) 2)}
139556

Directly from the PLC

A 24 V output from
the PLC can be
directly connected
to the terminals A4/
A24.

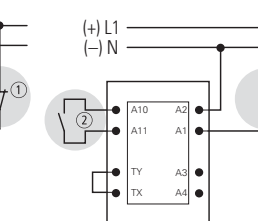
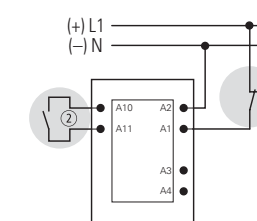


DILM400/22(RA250)³⁾
208209

DILM500/22(RA250)³⁾
208213

From a low-power command device

Low-power
actuating devices
such as PCB relays,
pilot devices or
position switches
can be directly
connected to A10/
A11.



DILM580/22(RA250)³⁾
208216

DILM650/22(RA250)³⁾
208219

DILM750/22(RA250)³⁾
208222

DILM820/22(RA250)³⁾
208225

DILM1000/22(RA250)³⁾
267214

DILM1600/22(RAW250)³⁾
106727

- ① Stopping in the event of an emergency (emergency switching off)
- ② Max. cable capacitance 6 nF

Information relevant for export to North America



- ¹⁾
NA Certification Request filed for UL and CSA
- ²⁾
Product Standards IEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking
UL File No. E29096
UL CCN NLDX
CSA File No. 1017510
CSA Class No. 3211-04
NA Certification UL Listed, CSA certified
- ³⁾
Product Standards IEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking
UL File No. E29096
UL CCN NLDX
CSA File No. 012528
CSA Class No. 3211-04
NA Certification UL Listed, CSA certified
See also Additional approvals, → Page 93

DILM, DILA Auxiliary contact modules

With interlocked opposing contacts, except ...XHI(C)/V

Terminal type	Pole	Conventional thermal current $I_{th} = I_e$ AC-1 at 60 °C Open $I_{th} = I_e$ A	Contact configuration	Circuit symbol	For use with	Part no.	Price See price list	Std. pack
	Screw terminals	2 pole	16	1 N/O 1 NC		DILM(C)7-10... DILM(C)9-10... DILM(C)12-10... DILM(C)15-10... DILM(C)17-10... DILM(C)25-10... DILM(C)32-10... DILM38-...10 DILMP20... DILMP32-10... DILMP45-10... DILL...	DILM32-XHI11 277376	5 off  
		2 pole	16	— 1 NC		DILM(C)12-10... DILM(C)15-10... DILM(C)17-10... DILM(C)25-10... DILM(C)32-10... DILM38-...10 DILMP20... DILMP32-10... DILMP45-10... DILL...	DILM32-XHI02 277375	5 off  
	Screw terminals	4 pole	16	2 N/O 2 NC		DILM(C)12-10... DILM(C)15-10... DILM(C)17-10... DILM(C)25-10... DILM(C)32-10... DILM38-...10 DILMP20... DILMP32-10... DILMP45-10... DILL...	DILM32-XHI22 277377	5 off  
		4 pole	16	3 N/O 1 NC		DILM(C)12-10... DILM(C)15-10... DILM(C)17-10... DILM(C)25-10... DILM(C)32-10... DILM38-...10 DILMP20... DILMP32-10... DILMP45-10... DILL...	DILM32-XHI31 106112	5 off  
	Spring-loaded terminals	2 pole	16	1 N/O 1 NC		DILM(C)12-10... DILM(C)15-10... DILM(C)17-10... DILM(C)25-10... DILM(C)32-10... DILM38-...10 DILMP20... DILMP32-10... DILMP45-10... DILL...	DILM32-XHI11 277751	5 off  
		2 pole	16	— 2 NC		DILM(C)12-10... DILM(C)15-10... DILM(C)17-10... DILM(C)25-10... DILM(C)32-10... DILM38-...10 DILMP20... DILMP32-10... DILMP45-10... DILL...	DILM32-XHI02 277750	5 off  
	Spring-loaded terminals	4 pole	16	2 N/O 2 NC		DILM(C)12-10... DILM(C)15-10... DILM(C)17-10... DILM(C)25-10... DILM(C)32-10... DILM38-...10 DILMP20... DILMP32-10... DILMP45-10... DILL...	DILM32-XHI22 277752	5 off  
	Screw terminals	2 pole	16	1 N/O —		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHI20 276422	5 off  
		2 pole	16	1 N/O 1 NC		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHI11 276421	5 off  
		2 pole	16	— 2 NC		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHI02 276420	5 off  
		2 pole	16	1 S _F 1 Õ _S		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIV11 276423	5 off  
	Screw terminals	4 pole	16	4 N/O —		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHI40 276428	5 off  
		4 pole	16	3 N/O 1 NC		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHI31 276427	5 off  
		4 pole	16	2 N/O 2 NC		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHI22 276426	5 off  
		4 pole	16	1 N/O 3 NC		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHI13 276425	5 off  
		4 pole	16	— 4 NC		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHI04 276424	5 off  
		4 pole	16	1 N/O 1 NC 1 S _F 1 Õ _S		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIV22 276429	5 off  

Notes

- Auxiliary NC usable as mirror contact according to IEC/EN 60947-4-1, Annex F
- Interlocked opposing contacts according to IEC/EN 60947-5-1 Annex L, inside the auxiliary contact modules, also for the integrated auxiliary contacts of the DILM 7 - DILM32

Information relevant for export to North America



Product Standards

IEC/EN 60947-4-1; UL 508;
CSA-C22.2 No.14-05; CE marking
E29184
NKR
012528
3211-03
UL Listed, CSA certified

UL File No.

UL CCN

CSA File No.

CSA Class No.

NA Certification

DILM, DILA Auxiliary contact modules

With interlocked opposing contacts, except ...XHI(C)V

Terminal type	Pole	Conventional thermal current $I_{th} = I_e$ AC-1 at 60 °C Open $I_{th} = I_e$ A	Contact configuration	Circuit symbol	For use with	Part no.	Price See price list	Std. pack
	Spring-loaded terminals	2 pole 16	2 N/O	—		DILM(C)7... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIC20 276528	5 off  
		2 pole 16	1 N/O 1 NC	—		DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIC11 276527	5 off  
		2 pole 16	— 2 NC	—		DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIC02 276526	5 off  
		2 pole 16	1 S _F 1 Ö _S	—		DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHICV11 276529	5 off  
	Screw terminals	2 pole 16	2 N/O 2 NC	—		DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIR22¹⁾ 139580	5 off  
		2 pole 16	1 N/O 1 NC	—		DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIR11 110140	5 off  
	Spring-loaded terminals	4 pole 16	4 N/O	—		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIC40 276534	5 off  
		4 pole 16	3 N/O 1 NC	—		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIC31 276533	5 off  
		4 pole 16	2 N/O 2 NC	—		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIC22 276532	5 off  
		4 pole 16	1 N/O 3 NC	—		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIC13 276531	5 off  
		4 pole 16	— 4 NC	—		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHIC04 276530	5 off  
		4 pole 16	1 N/O 1 NC 1 S _F 1 Ö _S	—		DILM(C)9... DILM(C)9... DILM(C)12... DILM(C)15... DILM(C)17... DILM(C)25... DILM(C)32... DILM38... DILMP20... DILMP32... DILMP45... DILL...	DILA-XHICV22 276535	5 off  

Notes

- Auxiliary NC usable as mirror contact according to IEC/EN 60947-4-1, Annex F
- Interlocked opposing contacts according to IEC/EN 60947-5-1 Annex L, inside the auxiliary contact modules, also for the integrated auxiliary contacts of the DILM 7 - DILM32

¹⁾ 1 N/C + 1 N/O above microswitch for electronic applications

Information relevant for export to North America



Product Standards	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No.14-05; CE marking
UL File No.	E29184
UL CCN	NKCR
CSA File No.	012528
CSA Class No.	3211-03
NA Certification	UL Listed, CSA certified

¹⁾

NA Certification Request filed for UL and CSA

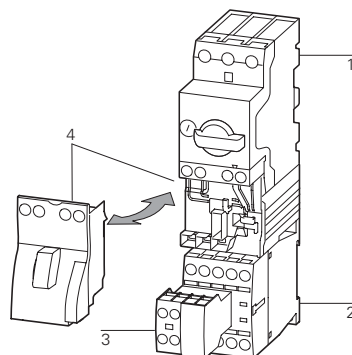
DILM Auxiliary contact modules

With interlocked opposing contacts

Connection type	Pole	conventional thermal current $I_{th} = I_e$ AC-1 at 60 °C Open $I_{th} = I_e$ A	Contact configuration N/O = normally open contact SF = N/O early make NC = normally closed contact ÖS = NC late-break	Circuit symbol	For use with	Part no. Article no.	Price See price list	Std. pack	Notes
Top mounting auxiliary contacts 	Screw terminals	2 pole	16	2 N/O –		DILM40... DILM50... DILM65... DILM72... DILM80... DILM95... DILM115... DILM150... DILM170... DILMP63... DILMP80... DILMP125... DILMP160... DILMP200...	DILM150-XHI20 277945	5 off  	Interlocked opposing contacts according to IEC/EN 60947-5-1 Annex L, inside the auxiliary contact modules Auxiliary NC usable as mirror contact according to IEC/EN 60947-4-1, Annex F
		2 pole	16	1 N/O 1 NC			DILM150-XHI11 277946	5 off  	
		2 pole	16	1 N/O 1 NC			DILM150-XHIA11 283463	5 off  	
		2 pole	16	– 2 NC			DILM150-XHI02 277947	5 off  	
Top mounting auxiliary contacts 	Screw terminals	4 pole	16	4 N/O –			DILM150-XHI40 277948	5 off  	
		4 pole	16	3 N/O 1 NC			DILM150-XHI31 277949	5 off  	
		4 pole	16	2 N/O 2 NC			DILM150-XHI22 277950	5 off  	
		4 pole	16	2 N/O 2 NC			DILM150-XHIA22 283464	5 off  	
		4 pole	16	1 N/O 3 NC			DILM150-XHI13 277951	5 off  	
		4 pole	16	– 4 NC			DILM150-XHI04 277952	5 off  	
		4 pole	16	1 N/O 1 NC 1 SF 1 ÖS			DILM150-XHIV22 277953	5 off  	
High version¹⁾ 	Screw terminals	2 pole	16	2 N/O –		DILM7... DILM9... DILM12... DILM15... DILL...	DILA-XHIT20 101042	5 off  	Interlocked opposing contacts according to IEC/EN 60947-5-1 Annex L, inside the auxiliary contact modules Auxiliary NC usable as mirror contact according to IEC/EN 60947-4-1, Annex F
		2 pole	16	1 N/O 1 NC			DILA-XHIT11 101043	5 off  	
		2 pole	16	– 2 NC			DILA-XHIT02 101041	5 off  	
High version¹⁾ 	Screw terminals	4 pole	16	2 N/O 2 NC			DILA-XHIT22 101044	5 off  	

Notes 1) Suitable for the combination with electrical wiringlinks in tool-less plug connection usable with:

DILM12-XSL
DILM12-XRL
DILM12-XS1
PKZM0-XDM12
PKZM0-XRM12
PKZM0-XSM12



1 PKZM0
2 DILM7 - DILM15
3 DILA-XHIT
4 PKZM0-XDM12

Information relevant for export to North America

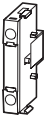


Product Standards

UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification

IEC/EN 60947-4-1; UL 508;
CSA-C22.2 No.14-05; CE marking
E29184
NKCR
012528
3211-03
UL Listed, CSA certified

DILM, DILA

Connection type	Pole	conventional thermal current $I_{th} = I_e$ AC-1 at 60 °C Open $I_{th} = I_e$ A	Contact configuration N/O = normally open contact SF = N/O early make NC = normally closed contact ÖS = NC late-break	Circuit symbol	For use with	Part no. Article no.	Price See price list	Std. pack	Notes
	Screw terminals	1 pole	10	1 N/O –		DILM(C)7... DILM(C)9... DILM(C)12... DILM(C)15... DILMP20... DILA(C)...	DILA-XHI10-S 115948	1 off  	1)
		1 pole	10	– 1 NC			DILA-XHI01-S 115949	1 off  	
	Spring-loaded terminals	1 pole	10	1 N/O –			DILA-XHIC10-S 115950	1 off  	
		1 pole	10	– 1 NC			DILA-XHIC01-S 115951	1 off  	
	Screw terminals	2 pole	10	1 N/O 1 NC		DILM17... DILM25... DILM32... DILM38...	DILM32-XHI11-S 101371	1 off  	Can only be left on the contactor. Cannot be combined with mechanical interlock
	Screw terminals	2 pole	10	1 N/O 1 NC		DILM250 - DILH2600	DILM820-XHI11-SI 208281	1 off  	1)
		2 pole	10	1 N/O 1 NC			DILM820-XHI11-SA 208282	1 off  	
		2 pole	10	1 S _F 1 Ö _S			DILM820-XHI11V-SI 208283	1 off  	
	Screw terminals	2 pole	10	1 N/O 1 NC		DILM40 - DILM225A DILMP63 - DILMP200	DILM1000-XHI11-SI 278425	1 off  	
		2 pole	10	1 S _F 1 Ö _S			DILM1000-XHIV11-SI 278426	1 off  	
		2 pole	10	1 N/O 1 NC			DILM1000-XHI11-SA 278427	1 off  	

Notes

- 1)
 - Interlocked opposing contacts according to IEC/EN 60947-5-1 Annex L, inside the auxiliary contact module, also for the integrated auxiliary contacts of the DILM7 – DILM32 (not NO early-make and NC late-break)
 - Auxiliary NC usable as mirror contact according to IEC/EN 60947-4-1, Annex F (no NC late-breaks)
 - No auxiliary contact is possible between 2 contactors with mechanical interlock.

Information relevant for export to North America



2)

Product Standards

UL File No.

UL CCN

CSA File No.

CSA Class No.

NA Certification

IEC/EN 60947-4-1; UL 508;
CSA-C22.2 No.14-05; CE marking
E29184
NKCR
012528
3211-03,3211-04
UL Listed, CSA certified