DATASHEET - DILM250/22(RDC48)



Contactor, 380 V 400 V 132 kW, 2 N/O, 2 NC, RDC 48: 24 - 48 V DC, DC operation, Screw connection



Part no. DILM250/22(RDC48)

Catalog No. 208199

Alternate Catalog XTCE250L22TD

No.

EL-Nummer 4110226

(Norway)

(Norway)			
Delivery program			
Product range			Contactors
Application			Contactors for Motors
Subrange			Comfort devices greater than 170 A
Utilization category			AC-1: Non-inductive or slightly inductive loads, resistance furnaces NAC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
Connection technique			Screw connection
Rated operational current			
AC-3			
380 V 400 V	I _e	Α	250
AC-1			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	I _{th} =I _e	Α	430
enclosed	I _{th}	Α	300
Conventional free air thermal current, 1 pole			
open	I _{th}	Α	875
enclosed	I _{th}	Α	750
Max. rating for three-phase motors, 50 - 60 Hz	ui		
AC-3			
220 V 230 V	P	kW	75
380 V 400 V	P	kW	
	P		132
660 V 690 V 1000 V	P	kW	170
AC-4	Г	KVV	100
220 V 230 V	P	kW	62
380 V 400 V	P	kW	110
660 V 690 V	P	kW	137
1000 V	P	kW	108
Contact sequence			A1 1 3 5 13 21 31 43 A2 2 4 6 14 22 32 44
Can be combined with auxiliary contact			DILM820-XHI
Actuating voltage			RDC 48: 24 - 48 V DC
Voltage AC/DC			DC operation
Contacts			
N/O = Normally open			2 N/O
N/C = Normally open N/C = Normally closed			2 N/O
			2 110
Auxiliary contacts			A SUMMON VIII SUMON VIII SU
possible variants at auxiliary contact module fitting options			on the side: 2 x DILM820-XHI11(V)-SI; 2 x DILM820-XHI11-SA
Side mounting auxiliary contacts			DILMS20-XHI11-SA
Instructions			Interlocked opposing contacts according to IEC/EN 60947-5-1 Appendix L, inside

	Auxiliary contacts used as mirror contacts according to IEC/EN 60947-4-1 Appendix F (not N/C late open)
Instructions	integrated suppressor circuit in actuating electronics 660 V, 690 V or 1000 V: not directly reversing

Technical data General

Standards			IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical			
DC operated	Operations	x 10 ⁶	10
Operating frequency, mechanical			
DC operated	Operations/h		3000
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-40 - +60
Enclosed		°C	- 40 - + 40
Storage		°C	- 40 - + 80
Mounting position			30'
Mechanical shock resistance (IEC/EN 60068-2-27)			
Half-sinusoidal shock, 10 ms			
Main contacts			
N/O contact		g	10
Auxiliary contacts			
N/O contact		g	10
N/C contact		g	8
Degree of Protection			IP00
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof with terminal shroud or terminal block
Altitude		m	Max. 2000
Weight			
AC operated		kg	7.23
DC operated		kg	7.23
Weight		kg	7.23
Terminal capacity main cable		2	50, 240
Flexible with cable lug		mm ²	50 - 240
Stranded with cable lug		mm ²	70 - 240
Solid or stranded		AWG	2/0 - 500 MCM
Flat conductor	Lamellenzahl x Breite x Dicke	mm	Fixing with flat cable terminal or cable terminal blocks See terminal capacity for cable terminal blocks
Busbar	Width	mm	25
Main cable connection screw/bolt			M10
Tightening torque		Nm	24
Terminal capacity control circuit cables			
Solid		mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Flexible with ferrule		mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Solid or stranded		AWG	18 - 14
Control circuit cable connection screw/bolt			M3.5
Tightening torque		Nm	1.2
Tool			
Main cable			

Maria count data Profit secret data Profit se				
Poctor serverione	Width across flats		mm	16
Maint conducting paths Value VRC PREAD (INCIDENTIFY) (INCIDENTIFY) (INCIDENTIFY) PREAD (INCIDENTIFY) (INCIDENTIFY) PREAD (IN				
Read insulation voltage			Size	2
Open clasge catagory/ollulinot degree VI VAC 100 Rand a canadaction voltage Up VAC 100 Safe a balation to EN B1180 VAC 100 between roll and contacts VAC 100 Making capacity (s. to IECEN 1894Y) VAC 100 Breaking capacity VAC 100 228 V 280 V VAC 200 380 V 480 V A 200 660 V 880 V A 200 760 V A 200 850 Not-circuit rating A 40 860 V A 40 860 V A 40 860 V A 40 860 V A			V 40	2002
Rated insulation voltage U, W AC U00 Rate describant voltage VAC 100 between col and contacts VAC U00 between all contacts VAC 100 Reading capacity VAC 100 220 V 250 V A 200 350 V 400 V A 200 550 V 300 V A 201 550 V 300 V A 201 550 V 300 V A 300 A 300 A 550 V 300 V A 400 A 300 A 550 V 300 V A 400 A 400 A 550 V 300 V A <td></td> <td>U_{imp}</td> <td>V AC</td> <td></td>		U _{imp}	V AC	
Part Coordination E E E E E E E E E				
Serie isolation to E1 61 140 V AC 100 between not and contacts V AC 100 Making capacity (a.f. to IECRN 6987) V AC 200 Breaking capacity (a.f. to IECRN 6987) V AC 200 220 V 280 V A 200 390 V 400 V A 200 590 V A 200 590 V A 200 1000 V A 200 Component Mespon Server Server Ingineering, characteristic curves ACS See > Engineering, characteristi	Rated insulation voltage	Ui	V AC	1000
between the contacts	Rated operational voltage	U _e	V AC	1000
Debtowant the contacts	Safe isolation to EN 61140			
Making capacity (s.t to IECEN 89847) A 2500 Breaking capacity (s. to IECEN 89847) A 2500 220 V 220 V A 2500 380 V 400 V A 2500 560 V 690 V A 2500 1000 V A 700 Component Illespan ACL Sea → Engineering, characteristic curves ACE Sea → En	between coil and contacts		V AC	1000
### ### ### #### #### ###############	between the contacts		V AC	1000
220 V 230 V 390 V 400 V 500 V 660 V 500 V 1000 V Component Infessor Short-circuit protection maximum fuse Type "2" coordination 400 V 580 V 1000 V	Making capacity (p.f. to IEC/EN 60947)		Α	3000
300 \ \ 400 \	Breaking capacity			
SOU V	220 V 230 V		Α	2500
B60 V 850 V 1000 V	380 V 400 V		Α	2500
AC Topo	500 V		Α	2500
Component lifespan AC1: See → Engineering, characteristic curves Shot-circuit rating AC3: See → Engineering, characteristic curves Shot-circuit protection maximum fuse Type "2" coordination 1000 V 667gL 500 V A 400 V 669 V A 1000 V 67gL 500 V A 400 V 669 V A 400 V 669 V A 400 V 669 V A 669 V 30/gL 500 V A 400 V 669 V A 1000 V 669 V A 669 V 30/gL 500 V A 1000 V 669 V A 669 V 30/gL 500 V A 400 V 400 A 669 V 30/gL 500 V A 400 V 400 A 60 Pollon 400 A 8 Rated operational current 400 A 0 pen 41 m = 6 A 300 4 tits 5° C 41 m = 6 A 350 <td>660 V 690 V</td> <td></td> <td>Α</td> <td>2500</td>	660 V 690 V		Α	2500
AC1-Sec - Engineering, characteristic curves AC2-Sec - Engineering, characteristic curves AC3-Sec - A	1000 V		Α	760
AC1-Sec - Engineering, characteristic curves AC2-Sec - Engineering, characteristic curves AC3-Sec - A				
Short-circuit protection maximum fuse Type "2" coordination				AC3: See → Engineering, characteristic curves
Type "2" coordination 96/gL 500 V A 400 400 V 690 V 690 V A 315 400 V 690 V A 150 V A 150 V A 400 V 690 V A 400 V 690 V 69				
400 V 659 V 66/gL 500 V A 400				
690 V 06/gL 690 V A 315	Type "2" coordination			
1000 V 1000 V 20 1000 V 3 100	400 V		Α	400
Type "1" coordination 400 V gG/gL 500 V A 400 690 V gG/gL 690 V A 400 1000 V gG/gL 1000 V A 200 AC-1 Rated operational current Conventional free air thermal current, 3 pole, 50 - 60 Hz 0 pen at 40 °C l ₁₀ = l ₀ A 380 at 55 °C l ₁₀ = l ₀ A 380 at 60 °C l ₁₀ = l ₀ A 380 enclosed l ₁₀ = l ₀ A 350 enclosed l ₁₀ = l ₀ A 375 AC-3 Rated operational free air thermal current, 1 pole Note open l ₁₀ A 375 AC-3 Rated operational current Open, 3-pole: 50 − 60 Hz Notes 220 V 230 V 1 l ₀ = A 250	690 V	gG/gL 690 V	Α	315
400 \ 96'gl. 500 \ 96'gl. 500 \ 4 \ 400 690 \ 96'gl. 690 \ A \ 400 1000 \ AC	1000 V	gG/gL 1000 V	Α	160
690 V 96/gL 690 V A 400 1000 V 96/gL 1000 V A 200 AC-1	Type "1" coordination			
## AC-1 Rated operational current Conventional free air thermal current, 3 pole, 50 - 60 Hz at 40 °C	400 V	gG/gL 500 V	Α	400
AC-1 Rated operational current Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C at 50 °C lm =le lm =le A 380 at 55 °C lm =le A 385 at 60 °C lm =le A 380 Notes Conventional free air thermal current, 1 pole Note Note At maximum permissible ambient air temperature open lm A 375 AC-3 Rated operational current Open, 3-pole: 50 - 60 Hz Notes At maximum permissible ambient temperature (open.) At maximum permissible ambient temperature (open.)	690 V	gG/gL 690 V	Α	400
AC-1 Rated operational current Rated operational current, 3 pole, 50 - 60 Hz A 430 430 A 430 A 450	1000 V	gG/gL 1000 V	Α	200
Rated operational current Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C th = le at 50 °C th = le at 60 °C th = le at maximum permissible ambient air temperature. At maximum permissible ambient air temperature at maximum permissible ambient air temperature At maximum permissible ambient temperature At maximum permissible ambient temperature (open.) At maximum permissible ambient temperature (open.)				
Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C Ith = le A 430 at 50 °C Ith = le A 380 at 55 °C Ith = le A 365 at 60 °C Ith = le A 350 At maximum permissible ambient air temperature open open open open open Ac-3 Rated operational current Open, 3-pole: 50 - 60 Hz Notes Le A 430 At maximum permissible ambient air temperature. At maximum permissible ambient air temperature At maximum permissible ambient air temperature At maximum permissible ambient air temperature At maximum permissible ambient temperature At maximum permissible ambient temperature (open.)				
Open Ith =Ie A 430 at 50 °C Ith =Ie A 380 at 55 °C Ith =Ie A 365 at 60 °C Ith =Ie A 350 enclosed Ith A 300 Notes At maximum permissible ambient air temperature. Conventional free air thermal current, 1 pole at maximum permissible ambient air temperature Note Ith A 875 enclosed Ith A 750 AC-3 Rated operational current At maximum permissible ambient temperature (open.) At maximum permissible ambient temperature (open.) Notes At maximum permissible ambient temperature (open.) At maximum permissible ambient temperature (open.)				
at 40 °C I _{th} = I _e	Conventional free air thermal current, 3 pole, 50 - 60 Hz			
at 50 °C	Open			
at 55 °C at 60 °C lth = le A 365 enclosed lth A 300 Notes Conventional free air thermal current, 1 pole Note Note lth A 875 enclosed lth A 875 enclosed lth A 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes At maximum permissible ambient air temperature At maximum permissible ambient temperature (open.)	at 40 °C	$I_{th} = I_e$	Α	430
at 60 °C Ith = Ie A 350 enclosed Ith A 300 Notes Conventional free air thermal current, 1 pole Note Open Ith A 875 enclosed Ith A 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes Notes At maximum permissible ambient air temperature At maximum permissible ambient temperature (open.)	at 50 °C	$I_{th} = I_e$	Α	380
enclosed Notes Conventional free air thermal current, 1 pole Note Open Ith A 875 enclosed Ith A 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes Notes 1e A Taximum permissible ambient air temperature At maximum permissible ambient air temperature at maximum permissible ambient air temperature AT 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes At maximum permissible ambient temperature (open.) 220 V 230 V	at 55 °C	I _{th} =I _e	Α	365
Notes Conventional free air thermal current, 1 pole Note Note Ith A 875 enclosed Ith A 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes At maximum permissible ambient air temperature. At maximum permissible ambient air temperature at maximum permissible ambient air temperature At maximum permissible ambient temperature. At maximum permissible ambient temperature (open.) At maximum permissible ambient temperature (open.)	at 60 °C	I _{th} =I _e	Α	350
Notes Conventional free air thermal current, 1 pole Note Note Ith A 875 enclosed Ith A 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes At maximum permissible ambient air temperature. At maximum permissible ambient air temperature at maximum permissible ambient air temperature At maximum permissible ambient temperature. At maximum permissible ambient temperature (open.) At maximum permissible ambient temperature (open.)	enclosed	I _{th}	Α	300
Conventional free air thermal current, 1 pole Note at maximum permissible ambient air temperature open lth A 875 enclosed lth A 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes At maximum permissible ambient temperature At maximum permissible ambient temperature (open.) 220 V 230 V	Notes			At maximum permissible ambient air temperature.
Note open lth A 875 enclosed lth A 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes le At maximum permissible ambient air temperature At maximum permissible ambient temperature (open.) At maximum permissible ambient temperature (open.)				,
open Ith A 875 enclosed Ith A 750 AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes At maximum permissible ambient temperature (open.) 220 V 230 V Ie A 250				at maximum permissible ambient air temperature
enclosed I _{th} A 750 AC-3 Rated operational current Open, 3-pole: 50 - 60 Hz Notes At maximum permissible ambient temperature (open.) 220 V 230 V I _e A 250		l+h	Α	
AC-3 Rated operational current Open, 3-pole: 50 – 60 Hz Notes At maximum permissible ambient temperature (open.) 220 V 230 V Ie A 250				
Rated operational current Open, 3-pole: 50 – 60 Hz Notes At maximum permissible ambient temperature (open.) 220 V 230 V I _e A 250		'th	^	
Open, 3-pole: 50 – 60 Hz At maximum permissible ambient temperature (open.) Notes Ie A 220 V 230 V Ie A				
Notes At maximum permissible ambient temperature (open.) 220 V 230 V I _e A 250				
220 V 230 V				
240 V I _e A 250	220 V 230 V	I _e	Α	250
	240 V	l _e	Α	250
380 V 400 V I _e A 250	380 V 400 V	l _e	Α	250
415 V I _e A 250	415 V	le	Α	250

440V	l _e	Α	250
500 V	I _e	Α	250
660 V 690 V	I _e	Α	185
1000 V	I _e	Α	76
Motor rating	P	kWh	
220 V 230 V	P	kW	75
240V	Р	kW	85
380 V 400 V	P	kW	132
415 V	P	kW	143
440 V	P	kW	152
500 V	P	kW	173
660 V 690 V	P	kW	170
1000 V	P	kW	108
AC-4			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
220 V 230 V	l _e	Α	200
240 V	l _e	Α	200
380 V 400 V	I _e	Α	200
415 V	le	Α	200
440 V	I _e	Α	200
500 V	I _e	Α	200
660 V 690 V	I _e	A	150
1000 V	l _e	A	76
Motor rating	Р	kWh	
220 V 230 V	Р	kW	62
240 V	Р	kW	68
380 V 400 V	Р	kW	110
415 V	Р	kW	117
440 V	Р	kW	125
500 V	Р	kW	138
660 V 690 V	Р	kW	137
1000 V	P	kW	108
Condensor operation			
Individual compensation, rated operational current I_{e} of three-phase capacitors			
Open			
up to 525 V		Α	220
690 V		A	133
Max. inrush current peak		x I _e	30
Component lifespan	Operations	x 10 ⁶	0.1
Max. operating frequency		Ops/h	200
DC			
Rated operational current, open			
DC-1			
Notes			see DILDC300/DILDC600 or on request
Current heat loss			
3 pole, at I _{th} (60°)		W	55
Current heat loss at I _e to AC-3/400 V		W	28
Impedance per pole		mΩ	0.15
Magnet systems			
Voltage tolerance			
U_S			24 - 48 V DC
DC operated	Pick-up		0.7 x U _{S min} - 1.15 x U _{S max}
DC operated	Drop-out		0.2 x U _{S max} - 0.6 x U _{S min}

Power consumption of the coil in a cold state and 1.0 x U_{S}			
			Control transformer with u < 69/
Note on power consumption			Control transformer with $u_k \le 6\%$
Pull-in power	Pick-up	VA	380
Pull-in power	Pick-up	W	250
Sealing power	Sealing	W	4.6
Duty factor		% DF	100
Changeover time at 100 % U _S (recommended value)			
Main contacts			
Closing delay		ms	100
Opening delay		ms	110
Behaviour in marginal and transitional conditions			
Sealing			
Voltage interruptions			
$(0 0.2 \times U_{c min}) \le 10 \text{ ms}$			Time is bridged successfully
(0 0.2 x U _{c min}) > 10 ms			Drop-out of the contactor
Voltage drops			
(0.2 0.6 x U _{c min}) ≤ 12 ms			Time is bridged successfully
(0.2 0.6 x U _{c min}) > 12 ms			Drop-out of the contactor
(0.6 0.7 x U _{c min})			Contactor remains switched on
Excess voltage			
(1.15 1.3 x U _{c max})			Contactor remains switched on
Pick-up phase			Solitation (Small) Switched Sh
(0 0.7 x U _{c min})			Contactor does not switch on
(0.7 x U _{c min} 1.15 x U _{c max})			Contactor switches on with certainty
Admissible transitional contact resistance (of the external control circuit device when actuating A11)		mΩ	≦ 500
PLC signal level (A3 - A4) to IEC/EN 61131-2 (type 2) High		V	15
Low		V	5
Electromagnetic compatibility (EMC)		•	
Electromagnetic compatibility			This product is designed for operation in industrial environments (environment A). Its use in residential environments (environment B) may cause radio-frequency interference, requiring additional noise suppression measures.
Rating data for approved types			
Switching capacity			
Maximum motor rating			
Three-phase			
200 V 208 V		HP	75
230 V 240 V		НР	100
460 V 480 V		HP	200
575 V 600 V		НР	250
General use		Α	350
Auxiliary contacts			
Pilot Duty			
AC operated			A600
DC operated			P300
General Use			
AC		V	600
AC		Α	15
DC		V	250
DC		Α	1
Short Circuit Current Rating		SCCR	
Basic Rating			
SCCR		kA	18
· ·			

max. Fuse	Α	700
max. CB	Α	600
480 V High Fault		
SCCR (fuse)	kA	18
max. Fuse	Α	700 Class L
SCCR (CB)	kA	65
max. CB	Α	250
600 V High Fault		
SCCR (fuse)	kA	18
max. Fuse	Α	700 Class J
SCCR (CB)	kA	18
max. CB	Α	600
Special Purpose Ratings		
Definite Purpose Ratings (100,000 cycles acc. to UL 1995)		
LRA 480V 60Hz 3phase	Α	2050
FLA 480V 60Hz 3phase	Α	300
LRA 600V 60Hz 3phase	Α	1800
FLA 600V 60Hz 3phase	А	250

Design verification as per IEC/EN 61439

In	Α	250
P _{vid}	W	9.33
P _{vid}	W	0
P_{vs}	W	4.6
P _{diss}	W	0
	°C	-40
	°C	60
		Meets the product standard's requirements.
		Meets the product standard's requirements.
		Meets the product standard's requirements.
t		Meets the product standard's requirements.
		Meets the product standard's requirements.
		Does not apply, since the entire switchgear needs to be evaluated.
		Does not apply, since the entire switchgear needs to be evaluated.
		Meets the product standard's requirements.
		Does not apply, since the entire switchgear needs to be evaluated.
		Meets the product standard's requirements.
		Does not apply, since the entire switchgear needs to be evaluated.
		Does not apply, since the entire switchgear needs to be evaluated.
		Is the panel builder's responsibility.
		Is the panel builder's responsibility.
		Is the panel builder's responsibility.
		Is the panel builder's responsibility.
		Is the panel builder's responsibility.
		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
	P _{vid} P _{vid} P _{vs}	P _{vid} W P _{vid} W P _{vs} W P _{diss} W °C °C

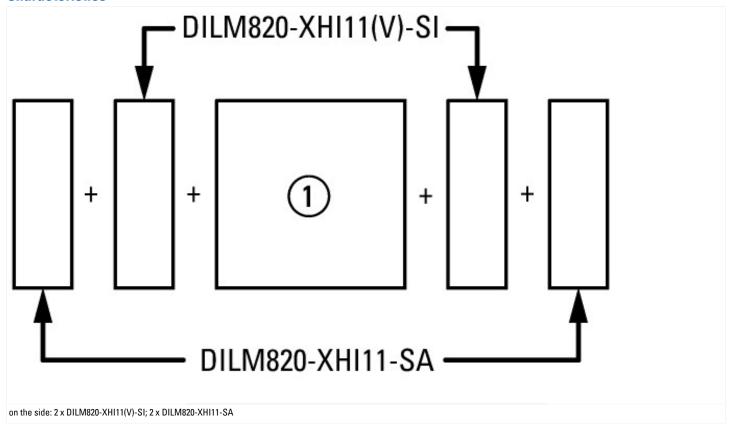
Technical data ETIM 7.0

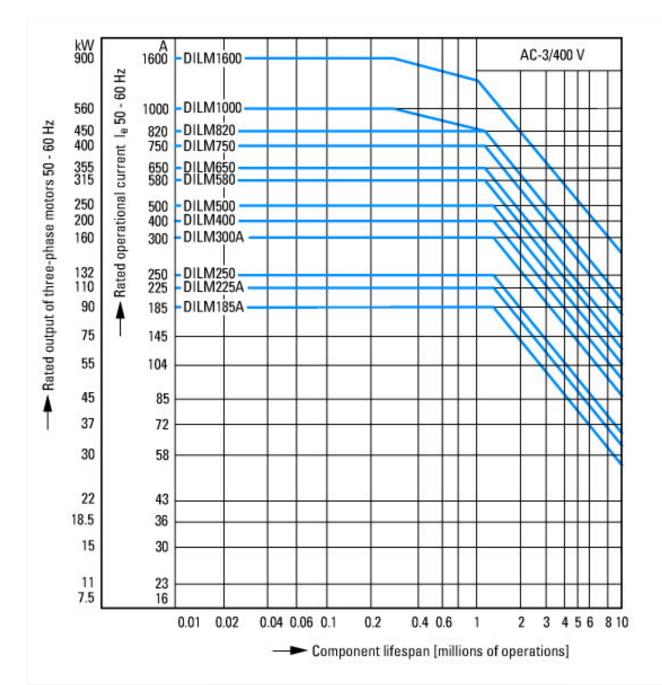
Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015])			
Rated control supply voltage Us at AC 50HZ		V	0 - 0
Rated control supply voltage Us at AC 60HZ		V	0 - 0
Rated control supply voltage Us at DC		V	24 - 48
Voltage type for actuating			DC
Rated operation current le at AC-1, 400 V		Α	429
Rated operation current le at AC-3, 400 V		Α	250
Rated operation power at AC-3, 400 V		kW	132
Rated operation current le at AC-4, 400 V		Α	200
Rated operation power at AC-4, 400 V		kW	110
Rated operation power NEMA		kW	149
Modular version			No
Number of auxiliary contacts as normally open contact			2
Number of auxiliary contacts as normally closed contact			2
Type of electrical connection of main circuit			Rail connection
Number of normally closed contacts as main contact			0
Number of main contacts as normally open contact			3

Approvals

• •	
Product Standards	IEC/EN 60947-4-1; UL 60947-4-1; CSA - C22.2 No. 60947-4-1-14; CE marking
UL File No.	E29096
UL Category Control No.	NLDX
CSA File No.	1017510
CSA Class No.	3211-04
North America Certification	UL listed, CSA certified
Specially designed for North America	No

Characteristics

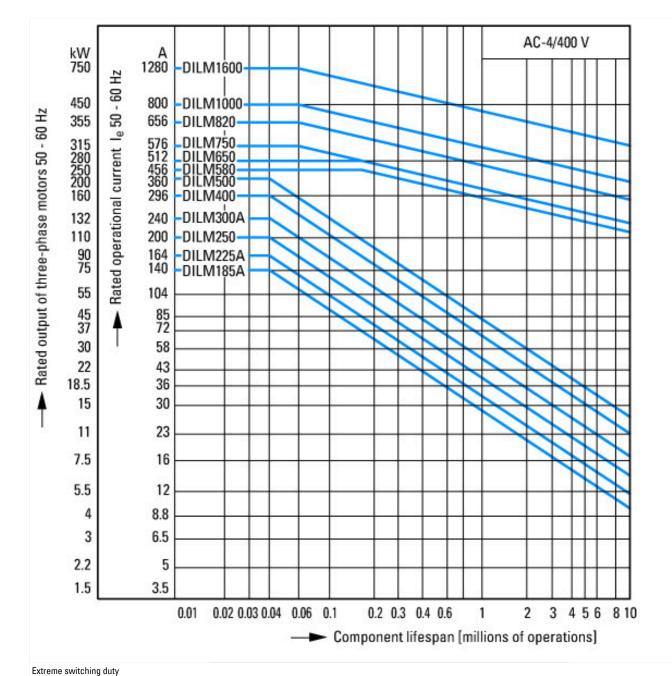




Normal switching duty Normal AC induction motor Operating characteristics Switch on: from stop Switch off: during run Electrical characteristics: Switch on: up to 6 x Rated motor current Switch off: up to 1 x Rated motor current Utility category 100 % AC-3 **Typical Applications** Compressors Mixers Pumps Escalators Agitators fan Conveyor belts Centrifuges Hinged flaps

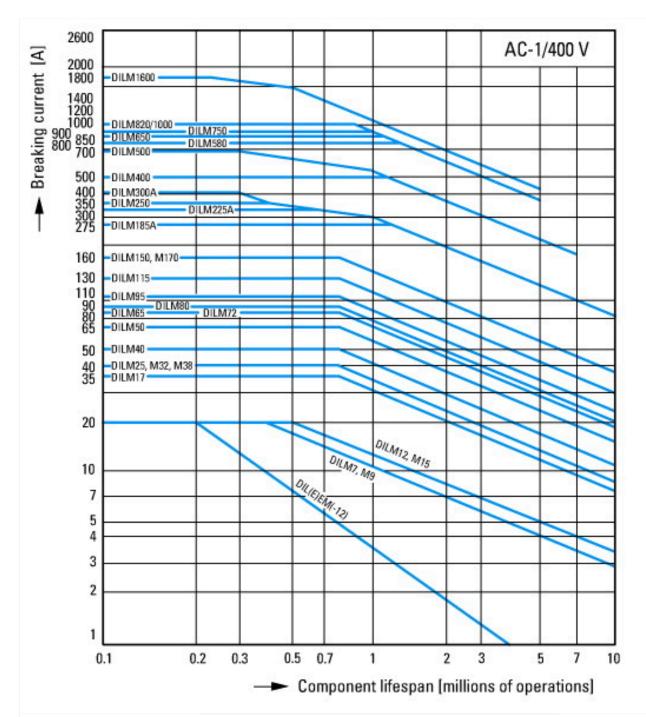
Air-conditioning systems General drives for manufacturing and processing machines

Bucket-elevator



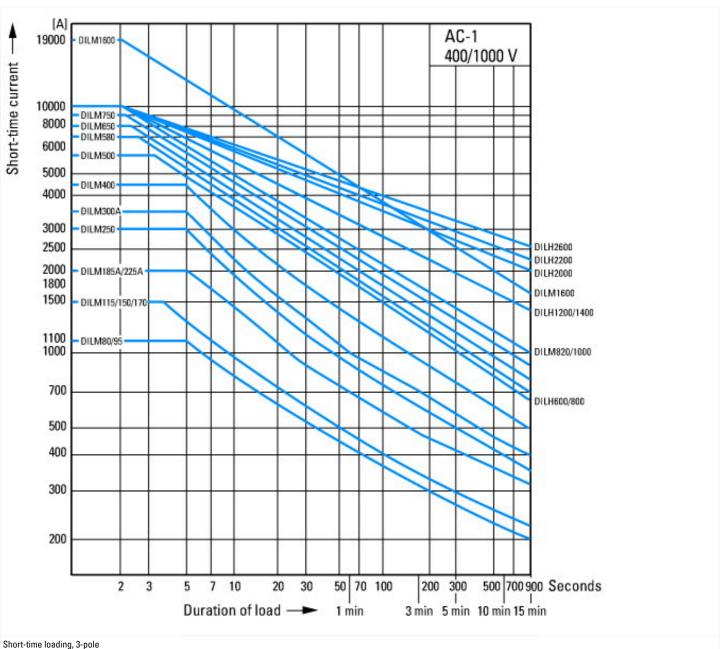
Extreme switching duty
Squirrel-cage motor
Operating characteristics
Inching, plugging, reversing
Electrical characteristics
Make: up to 6 x rated motor current
Break: up to 6 x rated motor current
Utilization category
100 % AC-4
Typical applications
Printing presses
Wire-drawing machines
Centrifuges
Special drives for manufacturing and processing machines

11/30/2021 Eaton 208199 ED2021 V85.0 EN 9/12



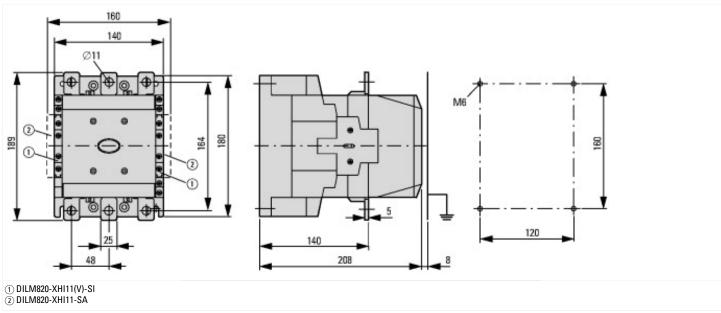
Switching conditions for 3 pole, non-motor loads Operating characteristics
Non inductive and slightly inductive loads
Electrical characteristics
Switch on: 1 x rated operational current
Switch off: 1 x rated operational current
Utilization category
100 % AC-1
Typical examples of application

Electric heat



Time interval between two loading cycles: 15 minutes

Dimensions



Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market

 $http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf$

Switchgear of Power Factor Correction Systems	http://www.moeller.net/binary/ver_techpapers/ver934en.pdf
X-Start - Modern Switching Installations Efficiently Fitted and Wired Securely	http://www.moeller.net/binary/ver_techpapers/ver938en.pdf
Mirror Contacts for Highly-Reliable Information Relating to Safety-Related Control Functions	http://www.moeller.net/binary/ver_techpapers/ver944en.pdf
Effect of the Cabel Capacitance of Long Control Cables on the Actuation of Contactors	http://www.moeller.net/binary/ver_techpapers/ver949en.pdf
Switchgear for Luminaires	http://www.moeller.net/binary/ver_techpapers/ver955en.pdf
Standard Compliant and Functionally Safe Engineering Design with Mechanical Auxiliary Contacts	http://www.moeller.net/binary/ver_techpapers/ver956en.pdf
The Interaction of Contactors with PLCs	http://www.moeller.net/binary/ver_techpapers/ver957en.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf