DATASHEET - DILM32-10(230V50HZ,240V60HZ)



Contactor, 3 pole, 380 V 400 V 15 kW, 1 N/O, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals



Part no. DILM32-10(230V50HZ,240V60HZ)

Catalog No. 277260 Alternate Catalog XTCE032C10F

No.

EL-Nummer 4130427

(Norway)

Product range Application Application Contactors by 10 19 A, 3 give Contactors by 10 19 A, 3 give Contactors by 10 19 A, 3 give AC-1 Mon-induction nations, starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching a displayed and account and inching maning AC-4. Normal AC induction nations starting, poligoning, reversing, inching aC-1. Normal AC inching account ac	Delivery program			
Application Fig. 1 Contactors for Motors Subrange Contactors upon 17 M.A. goin Ubbination category All Security of Indication materic strating, lunging, movering, lunding and MAC-3. Normal All Function materic strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering, lunding and MAC-3. Normal All Function materials strating, lunging, movering and MAC-3. Normal All Function materials strating, lunging, movering and MAC-3. Normal All Function materials strating, lunging, movering and MAC-3. Normal All Function materials strating, lunging, movering and MAC-3. Normal All Function materials strating, lunging, movering and MAC-3. Normal All Function MAC-3. Normal A				Contactors
Subrange Ubitivation category Ubitivation category Ubitivation category Ubitivation category AC-1 Normal AC induction notions starting, evident of carring running AC-1 Normal AC induction motions starting, evident of carring running AC-1 Normal AC induction motions starting, evident of carring running AC-1 Normal AC induction motions starting, evidenting, evidenting and AC-1 Normal AC induction motions starting, evidenting and AC-1 Normal AC induction motions starting, evidenting, evidenting and AC-1 Normal AC induction motions starting, evidenting, evidenting and AC-1 Normal AC induction motions starting, evidenting and AC-1 Normal				
Delication existingary				Contactors up to 170 A, 3 pole
E3-range/devices are identified by the logo on their packaging.				AC-1: Non-inductive or slightly inductive loads, resistance furnaces NAC-3: Normal AC induction motors: starting, switch off during running
E3-rady dovices are identified by the lego on their packaging. E3-rady dovices are identified by the lego on their packaging.				IE3 ✓
Number of poles Rated operational current AC-3 At maximum permissible ambient temperature (upen.) Notes I _e A 32 AC-1 Conventional free air thermal current, 3 pole, 50 - 60 Hz V Conventional free air thermal current, 1 pole on the pole of th	Notes			
Rated operational current AC-3 Notes At maximum permissible ambient temperature (open.) At maximum permissible ambient	Connection technique			Screw terminals
AC-3 Notes 380 V 400 V 1e	Number of poles			3 pole
Notes At maximum permissible ambient temperature (open.)	Rated operational current			
S80 V 400 V	AC-3			
AC-1 Conventional free air thermal current, 3 pole, 50 - 60 Hz Open at 40 °C enclosed I _{th} A 36 Conventional free air thermal current, 1 pole open enclosed I _{th} A 100 enclosed I _{th} A 99 Max. rating for three-phase motors, 50 - 60 Hz AC-3 220 V 230 V P RW 15 660 V 690 V P RW 15 660 V 690 V P RW 17 AC-4 220 V 230 V P RW 17 AC-4 220 V 230 V P RW 16 660 V 690 V P RW 17 AC-4 Contacts N/O = Normally open Contacts N/O = Normally open Contact sequence Can be combined with auxiliary contact Can be combined with auxiliary contact Actualing voltage Actualing voltage	Notes			At maximum permissible ambient temperature (open.)
Conventional free air thermal current, 3 pole, 50 - 60 Hz	380 V 400 V	I _e	Α	32
Open Im = I _a A 45 enclosed I _m A 36 Conventional free air thermal current, 1 pole I _m A 100 open I _m A 90 Max. rating for three-phase motors, 50 - 60 Hz I _m A 90 AC-3 220 ∨ 230 ∨ P kW 15 380 ∨ 400 ∨ P kW 15 I _m A 15 660 ∨ 690 ∨ P kW 17 I _m A 17 AC-4 V _m A 17 220 ∨ 230 ∨ P kW 17 I _m A 1 AC-4 V _m A 17 280 ∨ 690 ∨ P kW 17 I _m A 1 AC-4 V _m A 1 380 ∨ 400 ∨ P kW 10 I _m A 1 Contacts I _m A 1 N/O = Normally open I _m A 1 Contact sequence I _m A 1 Instructions C _m A 1 Can be combined with auxiliary contact D _m A 2 Actualing voltage Z30 ∨ 50 Hz, 240 ∨ 60 Hz	AC-1			
A 45 anclosed	Conventional free air thermal current, 3 pole, 50 - 60 Hz			
enclosed Conventional free air thermal current, 1 pole open	Open			
Conventional free air thermal current, 1 pole I _{th} A 100 enclosed I _{th} A 90 Max. rating for three-phase motors, 50 - 60 Hz Vac-3 Vac-3 Vac-3 220 V 230 V P kW 10 380 V 400 V P kW 15 660 V 690 V P kW 17 AC-4 Vac-4 Vac-4 Vac-4 220 V 230 V P kW 4 380 V 400 V P kW 7 660 V 690 V P kW 7 660 V 690 V P kW 10 Contacts N/O = Normally open Instructions Instructions Contacts to EN 50 012. Can be combined with auxiliary contact DILM32-XHI DILM32-XHI DILM32-XHII DILM32-XHII DILM32-XHIII DIL	at 40 °C	$I_{th} = I_e$	Α	45
th	enclosed	I _{th}	Α	36
enclosed Max. rating for three-phase motors, 50 - 60 Hz AC-3 220 V 230 V P KW 10 380 V 400 V P KW 15 660 V 690 V P KW 17 AC-4 220 V 230 V P KW 4 380 V 400 V P KW 7 660 V 690 V P KW 7 660 V 690 V P KW 10 Contacts N/0 = Normally open Contact sequence Instructions Can be combined with auxiliary contact Can be combined with auxiliary contact Actuating voltage Actuating voltage J N/0 Contact sequence J N/0 Contact sequence Actualing voltage Z 30 V 50 Hz, 240 V 60 Hz	Conventional free air thermal current, 1 pole			
Max. rating for three-phase motors, 50 - 60 Hz AC-3 220 ∨ 230 ∨ P kW 10 380 ∨ 400 ∨ P kW 15 660 ∨ 690 ∨ P kW 17 AC-4 T 220 ∨ 230 ∨ P kW 4 380 ∨ 400 ∨ P kW 7 T 660 ∨ 690 ∨ P kW 10 Contacts N/O = Normally open 1 N/O Contact sequence 1 N/O Instructions Contacts to EN 50 012. Can be combined with auxiliary contact DILM32-XHII DILM32-XHII DILM32-XHII DILM32-XHIII	open	I _{th}	Α	100
AC-3 220 V 230 V P	enclosed	I _{th}	Α	90
AC-3 220 V 230 V P	Max. rating for three-phase motors, 50 - 60 Hz			
380 V 400 V				
660 V 690 V AC-4 220 V 230 V P kW 4 380 V 400 V P kW 7 660 V 690 V P kW 10 Contacts N/0 = Normally open Contact sequence Instructions Can be combined with auxiliary contact Can be combined with auxiliary contact Actuating voltage DILM32-XHII. DILA-XHII/S. Actuating voltage 17 AU 17 17 17 4 4 10 10 10 10 11 11 12 13 15 113 113 114 115 113 115 113 111 113 115 113 111 113 115 113 111 1	220 V 230 V	P	kW	10
AC-4 220 V 230 V P kW 4 380 V 400 V P kW 7 660 V 690 V P kW 10 Contacts N/0 = Normally open Contact sequence Instructions Can be combined with auxiliary contact Can be combined with auxiliary contact Actuating voltage	380 V 400 V	P	kW	15
220 V 230 V P kW 4 380 V 400 V P kW 7 660 V 690 V P kW 10 Contacts	660 V 690 V	P	kW	17
N/O Normally open N/O N/O Normally open N/O	AC-4			
P kW 10	220 V 230 V	P	kW	4
Contacts N/0 = Normally open 1 N/0 Contact sequence A1	380 V 400 V	P	kW	7
N/O = Normally open 1 N/O Contact sequence A1	660 V 690 V	P	kW	10
Contact sequence A1	Contacts			
Contact sequence A1	N/O = Normally open			1 N/O
Can be combined with auxiliary contact DILM32-XHI DILA-XHI(V) DILM32-XHI11-S Actuating voltage 230 V 50 Hz, 240 V 60 Hz	Contact sequence			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
DILA-XHI(V) DILM32-XHI11-S Actuating voltage 230 V 50 Hz, 240 V 60 Hz	Instructions			Contacts to EN 50 012.
	Can be combined with auxiliary contact			DILA-XHI(V)
Voltage AC/DC AC operation	Actuating voltage			230 V 50 Hz, 240 V 60 Hz
	Voltage AC/DC			AC operation

Technical data General

General			
Standards			IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical			
AC operated	Operations	x 10 ⁶	10
Operating frequency, mechanical			
AC operated	Operations/h		5000
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +60
Enclosed		°C	- 25 - 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	7
N/C contact		g	5
Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted			
Half-sinusoidal shock, 10 ms			
Main contacts			
N/O contact		g	6.9
Auxiliary contacts			
N/O contact		g	5.3
N/C contact		g	3.5
Degree of Protection			IP00
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Altitude		m	Max. 2000
Weight			
AC operated		kg	0.428
Screw connector terminals			
Terminal capacity main cable			
Solid		mm^2	1 x (0.75 - 16)
Flexible with ferrule		mm ²	2 x (0.75 - 10) 1 x (0.75 - 16) 2 x (0.75 - 10)
Stranded		mm ²	1 x 16
Solid or stranded		AWG	single 18 - 6, double 18 - 8
Stripping length		mm	10
Terminal screw			M5
Tightening torque		Nm	3.2
Tool			
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	0.8 x 5.5 1 x 6
Terminal capacity control circuit cables			
Solid		mm ²	1 x (0.75 - 4)

Flexible with ferrule	
Solid or stranded Kiripping length Min M	
Stripping length	
Terminal screw Fightaning torque Tightaning torque Tool Tool Tool Size Size 2 Tool To	
Tightening torque	
Pozidriv screwdriver	
Pozidriv screwdriver Standard screwdriver	
Main conducting paths Main conducting withstand voltage Material Mills Material Mi	
Main conducting paths Rated impulse withstand voltage U _{imp} V AC 8000 Overvoltage category/pollution degree III/3 Rated insulation voltage U _i V AC 690 Rated operational voltage U _e V AC 690 Safe isolation to EN 61140 V AC 440 between coil and contacts V AC 440 between the contacts V AC 440 Making capacity (p.f. to IEC/EN 60947) V AC 384 Breaking capacity A 320 380 V 400 V A 320 380 V 400 V A 320 500 V A 320 660 V 690 V A 180 Short-circuit rating A 180 Short-circuit protection maximum fuse A 63 Type "2" coordination A 63 400 V G/gl, 690 V A 35	
Rated impulse withstand voltage U _{imp} V AC 8000 Overvoltage category/pollution degree III/3 III/3 Rated insulation voltage U _i V AC 690 Rated operational voltage U _e V AC 690 Safe isolation to EN 61140 V AC 440 between coil and contacts V AC 440 Making capacity (p.f. to IEC/EN 60947) V A 384 Breaking capacity A 320 380 V 400 V A 320 380 V 400 V A 320 400	
Overvoltage category/pollution degree Ui V AC 690 Rated insulation voltage Ue V AC 690 Safe isolation to EN 61140 V AC 690 between coil and contacts V AC 440 between the contacts V AC 440 Making capacity (p.f. to IEC/EN 60947) Up to 690 V A 384 Breaking capacity A 320 380 V 400 V A 320 500 V A 320 560 V 690 V A 320 Short-circuit rating A 180 Short-circuit protection maximum fuse Type "2" coordination G/gl_c 690 V A 63 690 V G/gl_c 690 V A 35	
Rated insulation voltage Ui V AC 690 Rated operational voltage Ue V AC 690 Safe isolation to EN 61140 V AC 440 between coil and contacts V AC 440 Making capacity (p.f. to IEC/EN 60947) Up to 690 V A 384 Breaking capacity A 320 380 V 400 V A 320 500 V A 320 660 V 690 V A 320 Short-circuit rating A 180 Short-circuit protection maximum fuse A 180 Type "2" coordination GG/gL 500 V A 63 680 V G90 V A 35	
Rated operational voltage Ue VAC 690 Safe isolation to EN 61140 VAC 440 between coil and contacts VAC 440 between the contacts VAC 440 Making capacity (p.f. to IEC/EN 60947) Up to 690 V A 384 Breaking capacity A 320 380 V 400 V A 320 500 V A 320 660 V 690 V A 180 Short-circuit rating A 180 Short-circuit protection maximum fuse A 180 Type "2" coordination G/G/gL 690 V A 63 400 V G/G/gL 690 V A 63 690 V G/G/gL 690 V A 35	
Safe isolation to EN 61140 VAC 440 between the contacts VAC 440 Making capacity (p.f. to IEC/EN 60947) Up to 690 V A 384 Breaking capacity A 320 380 V 400 V A 320 500 V A 320 660 V 690 V A 320 Short-circuit rating A 180 Short-circuit protection maximum fuse F F Type "2" coordination gG/gL 500 V A 63 690 V gG/gL 690 V A 35	
between coil and contacts between the contacts Making capacity (p.f. to IEC/EN 60947) Up to 690 V A 384 Breaking capacity 220 V 230 V A 320 380 V 400 V A 320 500 V A 320 660 V 690 V A 320 Short-circuit rating Short-circuit protection maximum fuse Type "2" coordination 400 V A 63 gG/gL 500 V A 35	
between the contacts Making capacity (p.f. to IEC/EN 60947) Up to 690 V A 384 Breaking capacity 220 V 230 V A 320 380 V 400 V A 320 500 V A 320 660 V 690 V A 320 Short-circuit rating Short-circuit protection maximum fuse Type "2" coordination 400 V gG/gL 690 V A 35	
Making capacity (p.f. to IEC/EN 60947) Up to 690 V A 384 Breaking capacity A 320 220 V 230 V A 320 380 V 400 V A 320 500 V A 320 660 V 690 V A 180 Short-circuit rating Short-circuit protection maximum fuse Type "2" coordination 400 V gG/gL 500 V A 63 690 V gG/gL 690 V A 35	
Up to 690 V A 384	
Breaking capacity A 320 380 V 400 V A 320 500 V A 320 660 V 690 V A 180 Short-circuit rating A 180 Short-circuit protection maximum fuse For a coordination A 63 400 V gG/gL 500 V A 63 690 V gG/gL 690 V A 35	
220 V 230 V 380 V 400 V A 320 500 V A 320 660 V 690 V A 180 Short-circuit rating Short-circuit protection maximum fuse Type "2" coordination 400 V gG/gL 500 V gG/gL 690 V A 63 690 V	
380 V 400 V A 320 500 V A 320 660 V 690 V A 180 Short-circuit rating Short-circuit protection maximum fuse Type "2" coordination 400 V gG/gL 500 V A 63 690 V A 35	
500 V A 320 660 V 690 V A 180 Short-circuit rating Short-circuit protection maximum fuse Type "2" coordination 400 V gG/gL 500 V A 63 690 V gG/gL 690 V A 35	
660 V 690 V Short-circuit rating Short-circuit protection maximum fuse Type "2" coordination 400 V gG/gL 500 V gG/gL 690 V A 35	
Short-circuit rating Short-circuit protection maximum fuse Type "2" coordination GG/gL 500 V A 63 690 V GG/gL 690 V A 35	
Short-circuit protection maximum fuse Fig. 2° coordination 400 V gG/gL 500 V A 63 690 V gG/gL 690 V A 35	
Type "2" coordination 400 V	
400 V gG/gL 500 V A 63 690 V gG/gL 690 V A 35	
690 V gG/gL 690 V A 35	
Type i coordination	
400 V gG/gL 500 V A 125	
690 V gG/gL 690 V A 63	
AC	
AC-1	
Rated operational current	
Conventional free air thermal current, 3 pole, 50 - 60 Hz	
Open Open	
at 40 °C $I_{th} = I_e$ A 45	
at 50 °C $I_{th} = I_e$ A 43	
at 55 °C $I_{th} = I_e$ A 42	
at 60 °C $I_{th} = I_e$ A 40	
enclosed I _{th} A 36	
Conventional free air thermal current, 1 pole	
open I _{th} A 100	
enclosed I _{th} A 90	
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 32	
240 V I _e A 32	
380 V 400 V I _e A 32	
415 V I _e A 32	
440V I _e A 32	

FOOV		۸	22
500 V	l _e	Α	32
660 V 690 V	l _e	Α	18
380 V 400 V	l _e	Α	32
Motor rating	P	kWh	
220 V 230 V	P	kW	10
240V	P	kW	11
380 V 400 V	P	kW	15
415 V	P	kW	19
440 V	P	kW	20
500 V	P	kW	23
660 V 690 V	P	kW	17
AC-4			
Open, 3-pole: 50 – 60 Hz			
220 V 230 V	I _e	Α	15
240 V	I _e	Α	15
380 V 400 V	l _e	Α	15
415 V	I _e	A	15
440 V		A	15
	l _e		
500 V	l _e	A	15
660 V 690 V	l _e	Α	12
Motor rating	P	kWh	
220 V 230 V	Р	kW	4
240 V	P	kW	4.5
380 V 400 V	Р		7
415 V	P	kW	7.5
440 V	Р	kW	8
500 V	Р	kW	9
660 V 690 V	Р	kW	10
DC Rated operational current, open			
DC-1			
60 V	I _e	Α	40
110 V	I _e	A	40
220 V Current heat loss	l _e	Α	40
3 pole, at l _{th} (60°)		W	10.3
Current heat loss at I _e to AC-3/400 V			6.6
Impedance per pole		mΩ	2.7
Magnet systems		11112	<u></u>
Voltage tolerance			
AC operated	Pick-up	x U _c	0.8 - 1.1
Drop-out voltage AC operated	Drop-out	x U _c	0.3 - 0.6
Power consumption of the coil in a cold state and 1.0 x U_S		J	
50 Hz	Pick-up	VA	52
50 Hz	Sealing	VA	7.1
50 Hz	Sealing	W	2.1
60 Hz	Pick-up	VA	67
60 Hz	Sealing	VA	8.7
60 Hz	Sealing	W	2.1
Duty factor	County	% DF	100
Changeover time at 100 % U_S (recommended value)		,, 51	
Main contacts			
AC operated			
Closing delay		ms	16 - 22

Opening delay	ms	8 - 14
Arcing time	ms	10
Electromagnetic compatibility (EMC)		
Emitted interference		to EN 60947-1
Interference immunity		to EN 60947-1
Rating data for approved types		
Switching capacity		
Maximum motor rating		
Three-phase		
200 V	НР	10
208 V		
230 V 240 V	HP	10
460 V	НР	20
480 V		
575 V 600 V	HP	25
Single-phase		
115 V	НР	2
120 V		
230 V 240 V	HP	5
General use	A	40
Auxiliary contacts	,,	-
Pilot Duty		
AC operated		A600
DC operated		P300
General Use		1 300
AC AC	V	600
AC	A	10
DC	V	250
DC	A	1
Short Circuit Current Rating	SCCR	'
Basic Rating	30011	
SCCR	kA	5
max. Fuse	A	125
max. CB	A	125
480 V High Fault	,,	
SCCR (fuse)	kA	10/100
max. Fuse	A	125/70 Class J
SCCR (CB)	kA	10/65
max. CB	A	50/32
600 V High Fault		
SCCR (fuse)	kA	10/100
max. Fuse	A	125/125 Class J
SCCR (CB)	kA	10/22
max. CB	A	50/32
Special Purpose Ratings		
Electrical Discharge Lamps (Ballast)		
480V 60Hz 3phase, 277V 60Hz 1phase	A	40
600V 60Hz 3phase, 347V 60Hz 1phase	A	40
Incandescent Lamps (Tungsten)		
480V 60Hz 3phase, 277V 60Hz 1phase	A	40
600V 60Hz 3phase, 347V 60Hz 1phase	A	40
Resistance Air Heating		
480V 60Hz 3phase, 277V 60Hz 1phase	A	40
600V 60Hz 3phase, 347V 60Hz 1phase	A	40
Refrigeration Control (CSA only)		

LRA 480V 60Hz 3phase	Α	240
FLA 480V 60Hz 3phase	Α	40
LRA 600V 60Hz 3phase	Α	180
FLA 600V 60Hz 3phase	Α	30
Definite Purpose Ratings (100,000 cycles acc. to UL 1995)		
LRA 480V 60Hz 3phase	Α	192
FLA 480V 60Hz 3phase	Α	32
Elevator Control		
200V 60Hz 3phase	HP	7.5
200V 60Hz 3phase	Α	25.3
240V 60Hz 3phase	HP	7.5
240V 60Hz 3phase	Α	22
480V 60Hz 3phase	HP	20
480V 60Hz 3phase	Α	27
600V 60Hz 3phase	HP	20
600V 60Hz 3phase	А	22

Design verification as per IEC/EN 61439

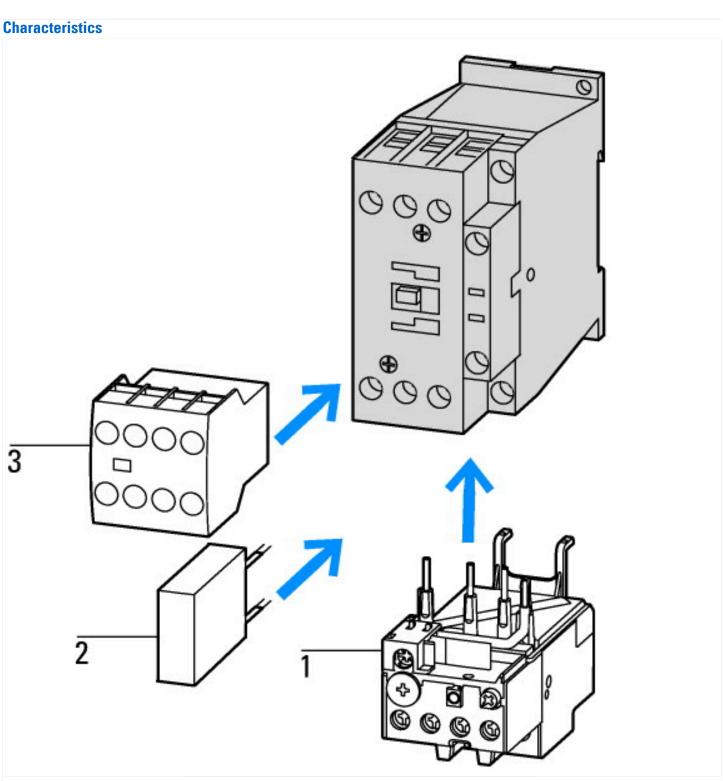
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	32
Heat dissipation per pole, current-dependent	P _{vid}	W	2.2
Equipment heat dissipation, current-dependent	P _{vid}	W	6.6
Static heat dissipation, non-current-dependent	P _{vs}	W	2.1
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects $$			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:specifications}$
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. $\label{eq:continuous}$

Technical data ETIM 7.0

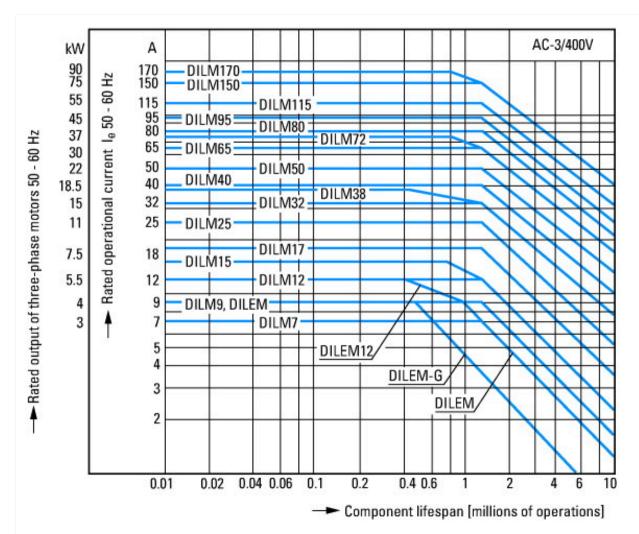
Low-voltage industrial components (EG000017) / Power contactor, AC switching (ECC	000066)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015])				
Rated control supply voltage Us at AC 50HZ	V	230 - 230		
Rated control supply voltage Us at AC 60HZ	V	240 - 240		
Rated control supply voltage Us at DC	V	0 - 0		
Voltage type for actuating		AC		
Rated operation current le at AC-1, 400 V	Α	45		
Rated operation current le at AC-3, 400 V	Α	32		
Rated operation power at AC-3, 400 V	kW	15		
Rated operation current le at AC-4, 400 V	Α	15		
Rated operation power at AC-4, 400 V	kW	7		
Rated operation power NEMA	kW	14.9		
Modular version		No		
Number of auxiliary contacts as normally open contact		1		
Number of auxiliary contacts as normally closed contact		0		
Type of electrical connection of main circuit		Screw 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.	012528
CSA Class No.	2411-03, 3211-04
North America Certification	UL listed, CSA certified
Specially designed for North America	No



1: Overload relay 2: Suppressor 3: Auxiliary contact modules



Squirrel-cage motor Operating characteristics Starting:from rest Stopping:after attaining full running speed Electrical characteristics Make: up to 6 x rated motor current Break: up to 1 x rated motor current Utilization category 100 % AC-3 Typical applications

Compressors

Lifts Mixers

Pumps

Escalators

Agitators

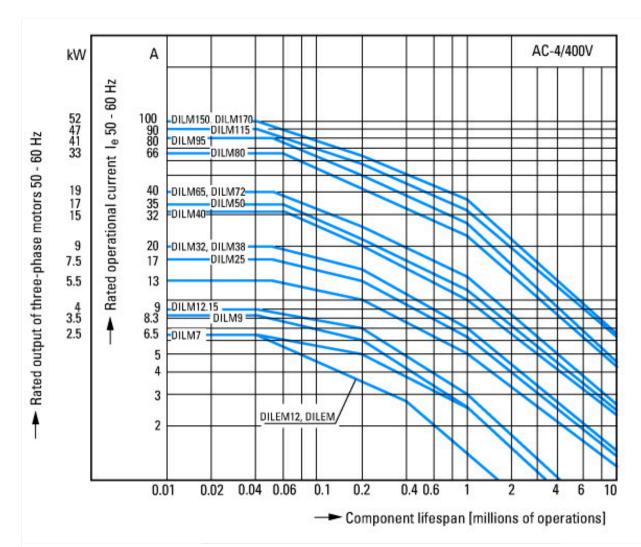
Fans Conveyor belts

Centrifuges

Hinged flaps Bucket-elevators

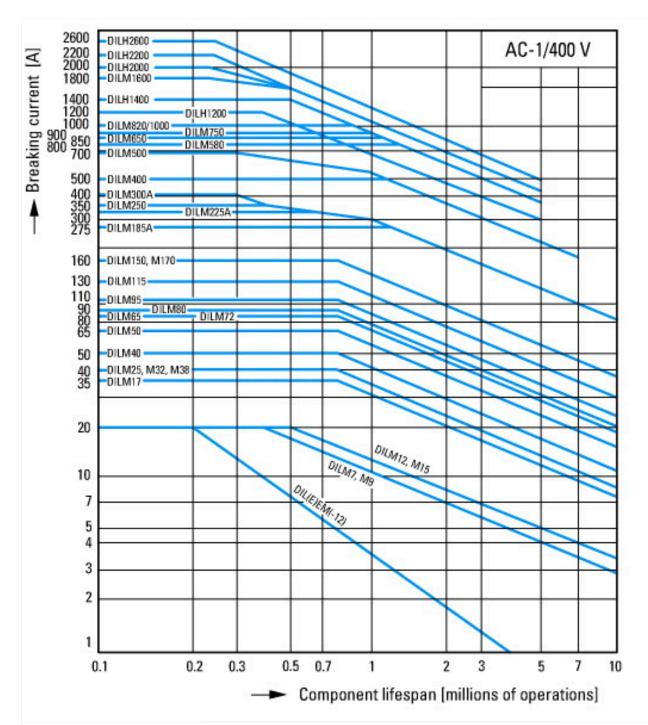
Air conditioning system

General drives in manufacturing and processing machines



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



Switching conditions for non-motor consumers, 3 pole, 4 pole Operating characteristics
Non inductive and slightly inductive loads
Electrical characteristics
Switch on: 1 x rated operational current
Switch off: 1 x rated operational current

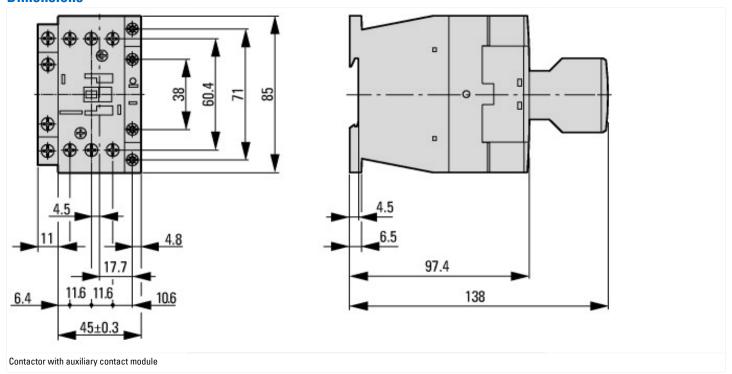
Utilization category

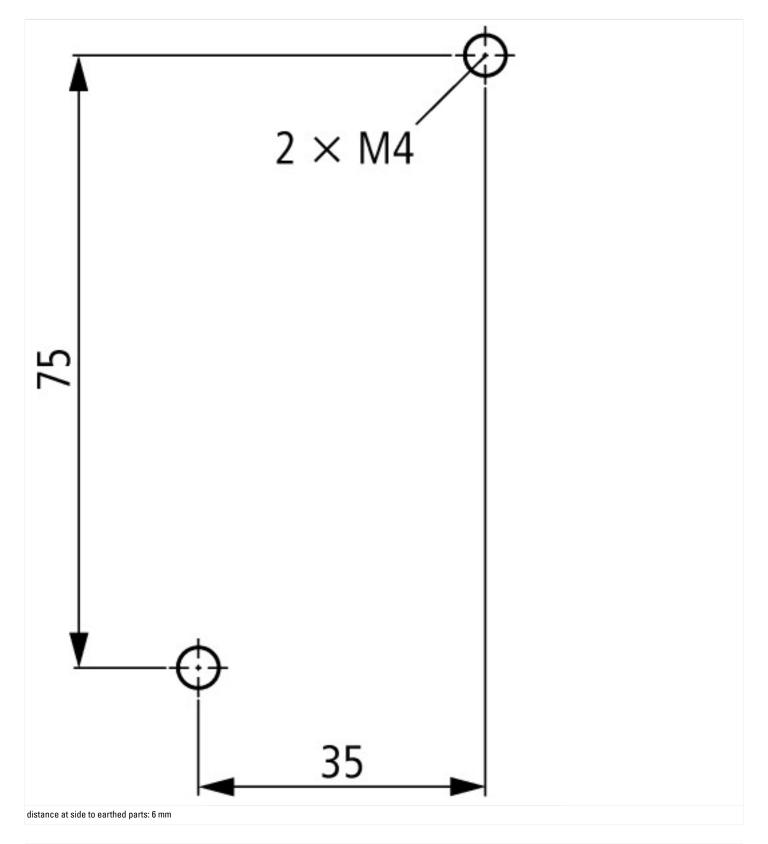
100 % AC-1

Typical examples of application

Electric heat

Dimensions





Assets (links)

Declaration of CE Conformity 00003050

Instruction Leaflets

IL03407014Z2018_07