DATASHEET - DILEM12-10(230V50HZ,240V60HZ)



Contactor, 230 V 50 Hz, 240 V 60 Hz, 3 pole, 380 V 400 V, 5.5 kW, Contacts N/ 0 = Normally open= 1 N/O, Screw terminals, AC operation



Powering Business Worldwide

DILEM12-10(230V50HZ,240V60HZ) Part no.

127075 Catalog No. **Alternate Catalog** XTMC12A10F

No.

EL-Nummer 4110187

(Norway)

	gram

Delivery program			
Product range			Contactors
Application			Contactors for Motors Mini Contactors for Motors and Resistive Loads
Subrange			DILEM contactors
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 terminals
Description			With auxiliary contact
Number of poles			3 pole
Rated operational current			
AC-3			
380 V 400 V	I _e	Α	12
AC-1			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	Α	22
Max. rating for three-phase motors, 50 - 60 Hz			
AC-3			
220 V 230 V	P	kW	3
380 V 400 V	P	kW	5.5
660 V 690 V	P	kW	4
AC-4			
220 V 230 V	P	kW	1.5
380 V 400 V	P	kW	3
660 V 690 V	P	kW	3
Contacts			
N/O = Normally open			1 N/0
Contact sequence			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
For use with			DILEM
Actuating voltage			230 V 50 Hz, 240 V 60 Hz
Voltage AC/DC			AC operation

Technical data

General			
Standards			IEC/EN 60947, VDE 0660, CSA, UL
Lifespan, mechanical; Coil 50/60 Hz	Operations	x 10 ⁶	5
Lifespan, mechanical	Operations	x 10 ⁶	5
Maximum operating frequency			
Mechanical		Ops./h	9000
electrical (Contactors without overload relay)	Operations/h		Page 05/070
Climatic proofing			Damp heat, constant, to IEC 60068-2-78

			Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +50
Enclosed		°C	- 25 - 40
Storage		°C	
Min. ambient temperature, storage		°C	- 40
Ambient temperature, storage max.		°C	+ 80
Mounting position			As required, except vertical with terminals A1/A2 at the bottom
Mounting position			
Mechanical shock resistance (IEC/EN 60068-2-27)			
Half-sinusoidal shock, 10 ms			
Basic unit without auxiliary contact module			
Main contacts, make contacts		g	10
Main contacts Make/break contacts		g	
Make		g	8
Basic unit with auxiliary contact module			
Main contacts make contact		g	
Make		g	10
Auxiliary contacts Make/break contacts		g	20 / 20
Degree of Protection			IP20
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Altitude		m	Max. 2000
Weight		kg	0.17
Terminal capacity of auxiliary and main contacts			
Screw terminals			
Solid		mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Flexible with ferrule		mm ²	1 x (0.75 - 1.5) 2 x (0.75 - 1.5)
Solid or stranded		AWG	18 - 14
Stripping length		mm	8
Terminal screw			M3.5
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	0.8 x 5.5 1 x 6
Max. tightening torque		Nm	1.2
Main conducting paths		V 40	0000
Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree			111/3
Rated insulation voltage	Ui	V AC	690
Rated operational voltage	U _e	V AC	690
Safe isolation to EN 61140			
between coil and contacts		V AC	300
between the contacts		V AC	300
Making capacity (cos φ to IEC/EN 60947)		Α	120
Breaking capacity			
220 V 230 V		Α	96
380 V 400 V		Α	96

500 V		Α	72
660 V 690 V		Α	42
Short-circuit protection maximum fuse			
Type "2", 500 V	gL/gG	Α	20
Type "1", 500 V	gL/gG	Α	35
AC	9490	,,	
AC-1			
Rated operational current			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	Α	22
at 50 °C	$I_{th} = I_e$	Α	20
at 55 °C	I _{th} =I _e	Α	19
enclosed	I _{th}	Α	16
Notes	·ui		At maximum permissible ambient air temperature.
			At maximum permissible ambient air temperature.
Conventional free air thermal current, 1 pole			
Notes			At maximum permissible ambient air temperature.
open	I _{th}	Α	50
enclosed	I _{th}	Α	40
AC-3			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
			At maximum normically ambient termorature (annu.)
Notes			At maximum permissible ambient temperature (open.)
220 V 230 V	l _e	Α	12
240 V	l _e	Α	12
380 V 400 V	le	Α	12
415 V	I _e	Α	10.5
440V	I _e	Α	10.5
500 V	l _e	Α	9
660 V 690 V	l _e	Α	5.2
Motor rating	P	kWh	
220 V 230 V	P	kW	3
240V	Р	kW	3
380 V 400 V	Р	kW	5.5
415 V	P	kW	5.5
440 V	P	kW	5.5
500 V	Р	kW	5.5
660 V 690 V	Р	kW	4
AC-4			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
Notes			At maximum permissible ambient air temperature.
220 V 230 V	I _e	Α	6.6
240 V		A	6.6
	l _e		
380 V 400 V	le	Α	6.6
415 V	l _e	Α	6.6
440 V	I _e	Α	6.6
500 V	I _e	Α	5
660 V 690 V		A	3.4
	l _e		U.T
Motor rating	Р	kWh	
220 V 230 V	Р	kW	1.5
240 V	P	kW	1.5
380 V 400 V	Р	kW	3
415 V	Р	kW	3

440 V	Р	kW	3
440 V 500 V	P	kW	3
660 V 690 V	P	kW	3
DC	•	KVV	
Rated operational current open			
DC-1			
12 V	I _e	Α	20
24 V	l _e	Α	20
60 V	l _e	Α	20
110 V	I _e	Α	20
220 V		A	20
	l _e	А	20
Current heat losses (3- or 4-pole)		14/	
at I _{th} , 50 °C		W	5.9
at I _e to AC-3/400 V		W	2.1
Magnet systems Voltons tolorope			
Voltage tolerance			
AC operated	Diele	vII	0.9 11
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Pick-up	-	0.8 - 1.1
Dual-frequency coil 50/60 Hz	Pick-up	x U _c	
Voltage tolerance Dual-frequency coil 50/60 Hz, max. pick-up voltage		x U _c	1.1
Power consumption			
AC operation			
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Pick-up	VA	25
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Pick-up	W	22
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Sealing	VA	4.6
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Sealing	W	1.8
Duty factor		% DF	100
Switching times at 100 % $\rm U_{\rm c}$			
Make contact		ms	
Closing delay		ms	
Closing delay min.		ms	14
Closing delay max.		ms	21
Opening delay		ms	
Opening delay min.		ms	8
Opening delay max.		ms	18
Closing delay with top mounting auxiliary contact		ms	45
Reversing contactors			
Changeover time at 110 % U_c			
Changeover time min.		ms	16
Changeover time max.		ms	21
Arcing time at 690 V AC		ms	12
Auxiliary contacts			
Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contac module	t		Yes
Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree	шр		III/3
Rated insulation voltage	Ui	V AC	690
Rated operational voltage	U _e	V AC	600
	oe €	V AU	
Safe isolation to EN 61140		V AC	200
between coil and auxiliary contacts		VAC	300
between the auxiliary contacts		V AC	300
Rated operational current			
AC-15		^	
220 V 240 V	l _e	A	6
380 V 415 V	l _e	Α	3

SOUT				
Contacts in series:	500 V	I _e	Α	1.5
1	DC L/R ≦ 15 ms			
1	Contacts in series:		Α	
3 20	1	24 V	Α	2.5
28	2	60 V	Α	2.5
Failure Fai	3	100 V	Α	1.5
Control circuit reliability Failure rate (al., = 240 V C. Limin = 17 V. Limin = 5.4 m.A) Component lifespan at U _g = 240 V C. Operations x 10° 2 AC-15 C. currant Operations x 10° 0.15 Lin - 20 ms. 2 contacts in series at I _q = 0.5 A Operations x 10° 0.15 Short-circuit rating without veelling Whitten and switch off conditions based on DC-13, time constant as specified Short-circuit protection assimum fuse PaZM04 Short-circuit protection analimum fuse Whitten a show of a live of the per contact PaZM04 Short-circuit protection analimum fuse Whitten a show of a live of the per contact Whitten a show of a live of	3	220 V	Α	0.5
Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V	Conv. thermal current	I _{th}	Α	10
Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V DC. Uma = 17 V, Ima = 5.4 mA) Component lifespan at U ₂ = 249 V	Control circuit reliability	Failure rate	λ	<10 ⁻⁸ < one failure at 100 million energtions
AC-15				(at $U_e = 24 \text{ V DC}$, $U_{min} = 17 \text{ V}$, $I_{min} = 5.4 \text{ mA}$)
DC current LIR = 50 ms; 2 contacts in series at I_a = 0.5 A Operations X Tob Notes	Component lifespan at U _e = 240 V			
Life = 50 mas 2 contacts in series at I _q = 0.5 A	AC-15	Operations	x 10 ⁶	0.2
Notes Short-circuit rating without welding Maximum overcurrent protective device Short-circuit protection maximum fuse 500 V	DC current			
Notes Short-circuit rating without welding Maximum overcurrent protective device Short-circuit protection maximum fuse 500 V	$L/R = 50$ ms: 2 contacts in series at $I_e = 0.5$ A	Operations	v 10 ⁶	0.15
Maximum ovarcurant protection dovice			X 10	Switch-on and switch-off conditions based on DC-13 time constant as specified
Maximum overcurrent protection endy PEZMO-4 Short-circuit protection maximum fuse 4 86/bt 6 500 V A 15st 10 Current heal loss at a load of l _h per contact W 1 3 Notiching capable for approved types Switching capable for approved types Switching capable for approved types Three-phase 200 V HP 2 200 V HP 2 460 V HP 3 480 V HP 5 480 V HP 5 575 V HP 5 600 U HP 5 115 V HP 5 200 V HP 5 300 V HP 5 480 V HP 5 301 V HP 5 480 V HP 5 480 V HP 5 500 V HP 5 480 V HP 5				Server on and server on conditions based on Do-10, time constant as specified
Short-circuit protection maximum fuse PAGMU-4 Short-circuit protection maximum fuse A g6/yt 6 500 V A fa st 10 Current heat loss at a load of In, per contact W 1 1 Rating data for approved types Switching capacity Switc				
Short-circuit protection maximum fuse 500 V				PK7Mn-4
A ge/gu A ge/gu Curren heat loss at a load of Injere contact W I.1				I INCIPIO T
SOOV			A aC/al	e e
Current heat loss at a load of la per contact Setting data for approved types				
Nation Switching capacity				
Switching capacity Head of the control of			VV	1.1
Maximum motor rating HP Common commo				
Three-phase				
HP 2 200 V 200	-			
Part			НР	2
240 V				
HP 5			HP	3
HP 5 575 V 600 V HP 5			IID.	_
Single-phase			HP	5
Single-phase HP 0.5 115 V HP 0.5 230 V HP 1.5 240 V A 15 Auxiliary contacts FIOOT Duty A600 DC operated P300 General Use P300 AC V 600 AC A 10 DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating SCCR	575 V		HP	5
HP 0.5 230 V				
120 V 230 V 240 V HP 1.5 General use				
240 V A 15 Auxiliary contacts FIlot Duty FIlot Duty AC operated A600 DC operated P300 General Use V 600 AC V 600 AC A 10 DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating SCCR			НР	0.5
General use A 15 Auxiliary contacts C C Pilot Duty A600 C AC operated P300 C General Use V 600 AC A 10 DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating SCCR			HP	1.5
Auxiliary contacts Pilot Duty AC operated A600 DC operated P300 General Use V 600 AC V 600 AC A 10 DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating SCCR				
Pilot Duty A600 DC operated P300 General Use V 600 AC V 600 AC A 10 DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating SCCR			Α	15
AC operated A600 DC operated P300 General Use V AC V AC A DC A DC A DC A Short Circuit Current Rating SCCR Basic Rating SCCR				
DC operated P300 General Use V AC V AC A DC V DC A DC A Short Circuit Current Rating SCCR Basic Rating SCCR				
General Use V 600 AC V 600 AC A 10 DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating SCCR				
AC V 600 AC A 10 DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating SCCR				P300
AC A 10 DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating SCCR				
DC V 250 DC A 0.5 Short Circuit Current Rating SCCR Basic Rating CIRCUIT Current Rating			V	
DC A 0.5 Short Circuit Current Rating SCCR Basic Rating				
Short Circuit Current Rating Basic Rating SCCR				
Basic Rating				0.5
			SCCR	
SCCR kA 5				
	SCCR		kA	5

Design verification as per IEC/EN 61439

max. Fuse

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	12

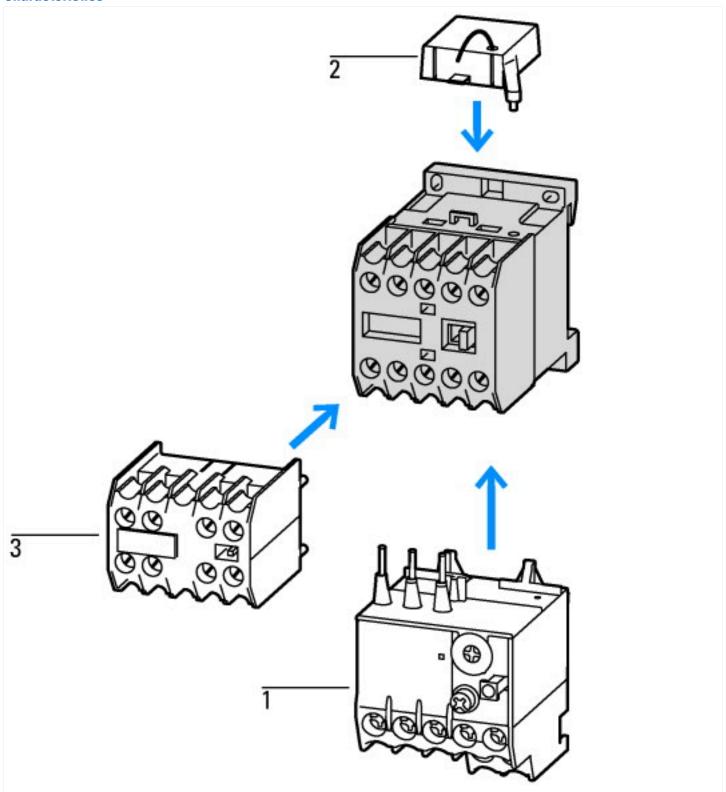
Heat dissipation per pole, current-dependent	P_{vid}	W	0.7
Equipment heat dissipation, current-dependent	P _{vid}	W	2.1
Static heat dissipation, non-current-dependent	P _{vs}	W	1.8
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	50
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 switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

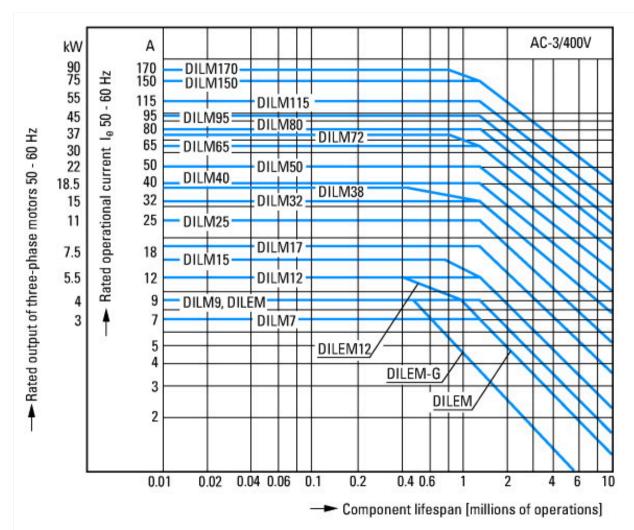
Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066) Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015]) Rated control supply voltage Us at AC 50HZ 230 - 230 Rated control supply voltage Us at AC 60HZ ٧ 240 - 240 ٧ 0 - 0 Rated control supply voltage Us at DC AC Voltage type for actuating Rated operation current le at AC-1, 400 $\rm V$ Α 22 Rated operation current le at AC-3, 400 $\rm V$ Α 12 Rated operation power at AC-3, 400 V kW 5.5 Rated operation current le at AC-4, 400 V Α 6.6 Rated operation power at AC-4, 400 V kW 3 Rated operation power NEMA kW 3.7 Modular version No Number of auxiliary contacts as normally open contact 1 0 Number of auxiliary contacts as normally closed contact Screw connection Type of electrical connection of main circuit 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 508; CSA-C22.2 No. 14-05; CE marking
UL File No.	E29096
UL Category Control No.	NLDX
CSA File No.	012528
CSA Class No.	3211-04
North America Certification	UL listed, CSA certified
Specially designed for North America	No

Characteristics



- 1: Overload relay 2: Suppressor 3: Auxiliary contact modules Enclosure totally insulated



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

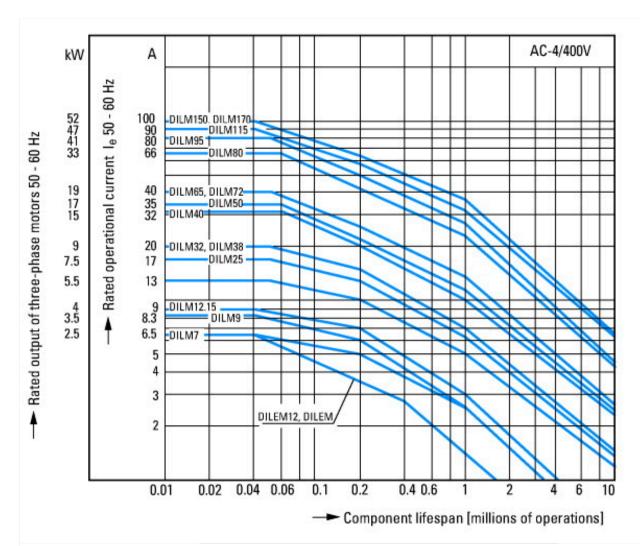
Conveyor belts Centrifuges

Hinged flaps

Bucket-elevators

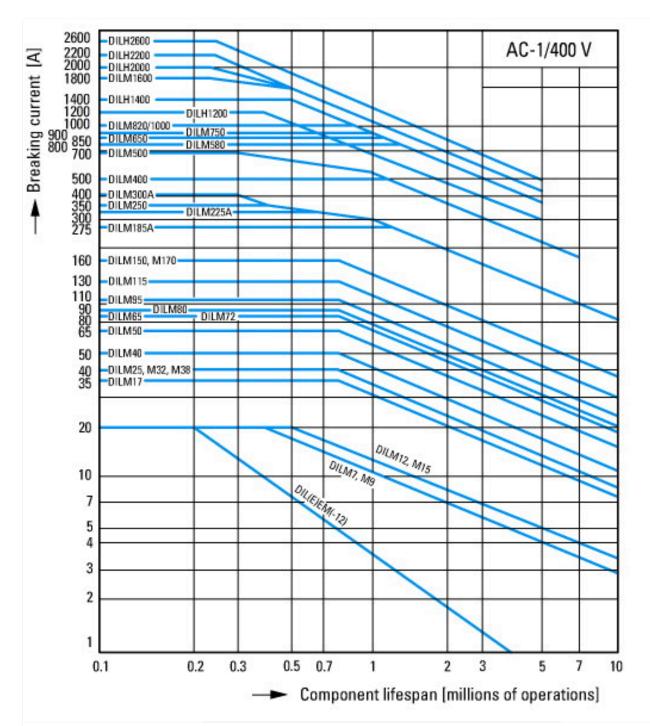
Air conditioning system

General drives in manufacturing and processing machines



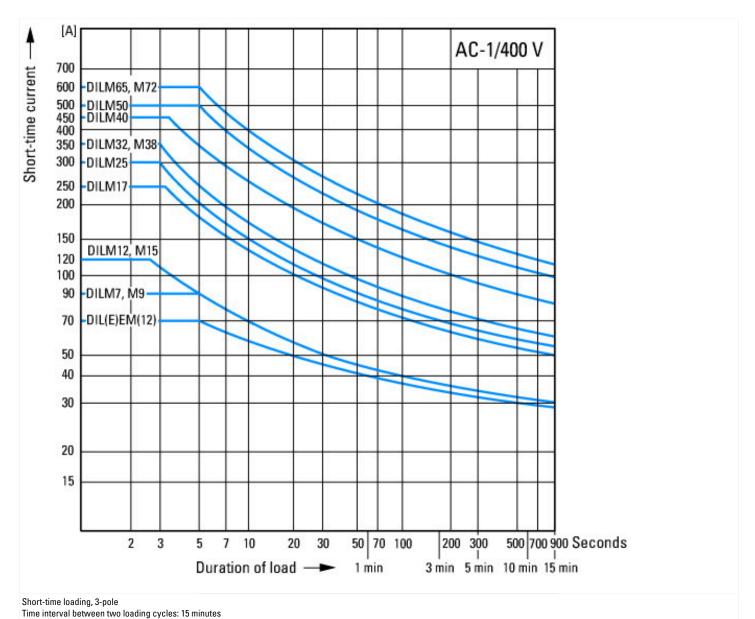
Extreme switching duty Squirrel-cage motor Operating characteristics Inching, plugging, reversing Electrical characteristics Make: up to 6 x rated motor current Break: up to 6 x rated motor current Utilization category 100 % AC-4 Typical applications
Printing presses Wire-drawing machines Centrifuges

Special drives for manufacturing and processing machines

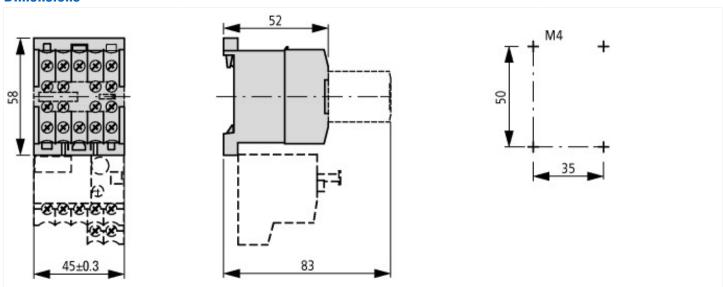


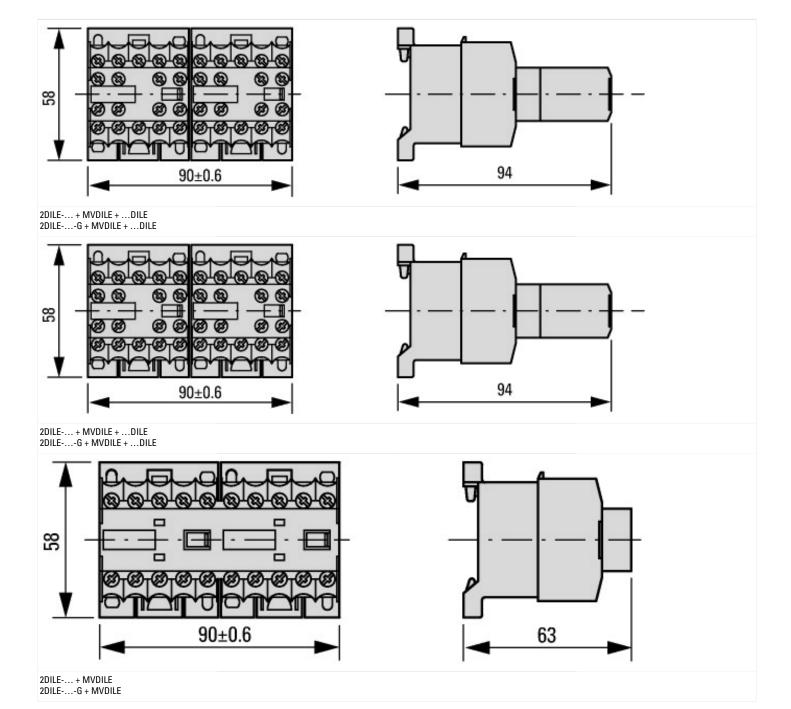
Switching duty for non-motor loads, 3-pole, 4-pole Operating characteristics
Non-inductive or slightly inductive loads
Electrical characteristics
Make: 1 x rated current
Break: 1 x rated current
Utilization category
100 % AC-1
Typical applications

Electric heat



Dimensions





Assets (links)

Declaration of CE Conformity 00003110

Instruction Leaflets

IL03407009Z2018_04