DATASHEET - DILMP45-10(240V50HZ)



Contactor, 4 pole, 45 A, 1 N/O, 240 V 50 Hz, AC operation

Powering Business Worldwide*

Part no. DILMP45-10(240V50HZ)
Catalog No. 109827
Alternate Catalog XTCF045C10H5
No.

De	liver	, pro	gram

Delivery program			
Product range			Contactors
Application			Contactors for 4 pole electric consumers
Subrange			Contactors up to 200 A, 4 pole
Utilization category			AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3/AC-3e: Normal AC induction motors: Starting, switching off while running
Connection technique			Screw terminals
Number of poles			4 pole
Rated operational current			
AC-1			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
at 40 °C	$I_{th} = I_e$	Α	45
at 50 °C	$I_{th} = I_e$	Α	41
at 55 °C	$I_{th} = I_e$	Α	40
at 60 °C	I _{th} =I _e	Α	39
Contacts			
N/O = Normally open			1 N/O
Contact sequence			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
For use with			DILM32-XHI(C) DILA-XHI(V)(C)
Actuating voltage			240 V 50 Hz
Voltage AC/DC			AC operation
Connection to SmartWire-DT			no
Instructions			Contacts to EN 50 012.

Technical data

Genera

General			
Standards			IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical			
AC operated	Operations	x 10 ⁶	10
DC operated	Operations	x 10 ⁶	10
Operating frequency, mechanical			
AC operated	Operations/h		5000
DC operated	Operations/h		5000
Climatic proofing			Damp heat, constant, to IEC 60068-2-3 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +60
Enclosed		°C	- 25 - 40
Storage		°C	- 40 - 80
Mounting position			

Machanical inock misitance (MCCM-MIDIR) 3-277 Historians and Michigan State (MCCM-MIDIR) 3-277 Historians and Michigan State (MCCM-MIDIR) 3-277 Michigan			
Half-dimutoded shoefs, by ms	Mounting position		
Half-dimutoded shoefs, by ms	Mechanical shock resistance (IEC/EN 60068-2-27)		
Main contacts MU contact Autoliany contacts NU contact NU cont			
No cortacts			
Auxiliary curtacts		a	10
NO contact		3	
Not Contact Degree of Procession Proce		a	7
Degree of Protection MR Mac 2000 Alteración against direct contact when actuated from front (EN 1902/4) mm Mac 2000 Protection against direct contact when actuated from front (EN 1902/4) mm Forgan and back-of-hand proof Stripping length mm 1 x 10.75 - 10 Scold or stranded mm² 1 x 10.75 - 10 Stranded mm² 1 x 16 Terminal screw mm² 3 x 10.75 - 20 Terminal screw mm² 3 x 10.75 - 20 Stripping length mm² 3 x 10.75 - 20 Stripping length mm² 3 x 10.75 - 20 Stripping length mm² 3 x 10.75 - 20 Freshler with ferrule mm² 2 x 10.75 - 20 Solid or stranded mm² 2 x 10.75 - 20 Terminal scapetiv control circuit cables mm² 2 x 10.75 - 20 Solid or stranded mm² 2 x 10.75 - 20 Recible with ferrule mm² 2 x 10.75 - 20 Solid or stranded mm² 2 x 10.75 - 20 Solid or stranded mm² 2 x 10.75 - 20 Sol			
Altitude n Mx. 2000 Protection against direct contact whon actuated from front (EN 50274) mon 100 Stripping langth mon 1 x (0.75 - 10) Stripping langth mon 1 x (0.75 - 10) Broadble with ferrule mon 2 x (0.75 - 10) Stronded mon 3 x (0.75 - 10) Stripping fargh mon 3 x (0.75 - 10) Stripping fargh mon 3 x (0.75 - 20) Health ferrules mon 2 x (0.75 - 20) Health ferrules mon 2 x (0.75 - 20) Health with ferrules mon 2 x (0.75 - 20) Solid or stranded mon 2 x (0.75 - 20) Solid or stranded mon 2 x (0.75 - 20) Solid or stranded mon 2 x (0.75 - 20) Solid or stranded mon 2 x (0.75 - 20) Solid or stranded mon 2 x (0.75 - 20)		3	
Protection against direct contact when actuated from front (EN 50274) Finger and back-of-hand proof Singiping bength mm 1x (0.75 - 16) Said mm² 2 x (0.75 - 16) 1x (0.75 - 16) Flickble with ferrule mm² 2 x (0.75 - 16) 2x (0.75 - 10) Stranded mm² 3 x 16 1x 16 x 16 Said or stranded ANO 18 - 6 1x 16 x 16 Tightening torque mm 3 x 12 1x 16 x 1		m	
Stripping length			
Terminal capacity main cable ama² 1 x 10.78 - 16) 2 x		mm	
Solid mm²			
Flexible with ferrule mm² 2 x (0.75 - 10) Stranded mm² 1 x (0.75 - 10) Stranded mm² 1 x (0.75 - 10) Stranded mm² 1 x (0.75 - 10) Solid or stranded mm² mm 10 Flexible with ferrule mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.75 - 2.5)		2	1 × (0.75 - 16)
Stranded mm² 2 x (0.75 - 10) Stranded MYS 18 - 8 Terminal screw MS Tightening torque Nm 10 Push-in terminals Solid or stranded MYS 12 - 25 Itleable with ferrule MYS MYS MYS MYS Solid or stranded MYS MYS MYS MYS MYS Solid or stranded MYS MYS MYS MYS MYS MYS Solid or stranded MYS MYS MYS MYS MYS Solid or stranded MYS MYS MYS MYS MYS Flexible with ferrule MYS MYS MYS MYS Solid or stranded MYS MYS MYS Solid or stranded MYS MYS MYS Solid or stranded MYS Solid or stranded MYS Solid or stranded MYS Solid or stranded MYS			2 × (0.75 - 10)
Solid or stranded AWG 18 - 6 Temmal screw Mo 3 Tightening torque mm 10 Stripping length mm 10 Push-in terminals mm 1 x (0.75 - 2.5) Solid mm ² 1 x (0.75 - 2.5) I flexible mm ² 1 x (0.75 - 1.5) Solid or stranded AWG 18 - 14 Terminal capacity control circuit cables mm ² 1 x (0.75 - 2.5) Solid or stranded mm ² 1 x (0.75 - 2.5) Solid or stranded mm ² 1 x (0.75 - 2.5) Solid or stranded mm 10 Stripping length mm 10 Terminal screw mm 10 Push-in terminals mm 12 Push-in terminals mm 1 x (0.75 - 2.5) Tightening torque mm 1 x (0.75 - 2.5) Push-in terminals mm 1 x (0.75 - 2.5) Solid or stranded mm ² 1 x (0.75 - 2.5) Flexible mm ² 1 x (0.75 - 2.5)	Flexible with ferrule	mm ²	
Tightening torque	Stranded	mm^2	1 x 16
Tightening torque	Solid or stranded	AWG	18 - 6
Stripping length mm 10 Push-in terminals mm² 1 x (0.75 - 2.5) Solid mm² 1 x (0.75 - 2.5) flexible mm² 1 x (0.75 - 2.5) flexible with ferrules mm² 1 x (0.75 - 1.5) Solid or stranded AWG 18 - 14 Terminal capacity control circuit cables mm² 1 x (0.75 - 4) Solid or stranded mm² 1 x (0.75 - 4) 2 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Solid or stranded AWG 18 - 14 3 x (0.75 - 2.5)	Terminal screw		M5
Push-in terminals	Tightening torque	Nm	3
Solid mm² 1 x (0.75 - 2.5) 2 x (0.75 - 1.5) 2 x (0.75 - 2.5)	Stripping length	mm	10
	Push-in terminals		
Solid or stranded	Solid	mm ²	
Solid or stranded	flexible	mm^2	
Terminal capacity control circuit cables	flexible with ferrules	mm ²	1 x (0.75 - 1.5) 2 x (0.75 - 1.5)
Solid mm² 1 x (0.75 - 41) 2 x (0.75 - 25) Flexible with ferrule mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Solid or stranded AWG 18 - 14 Stripping length mm 10 Terminal screw M3.5 Tightening torque Nm 1.2 Push-in terminals Solid mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 1.5) 2 x (0.75 - 1.5) Solid or stranded AWG 18 - 14 Tool Main cable Pozidriv screwdriver Size 2 Standard screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 1 x 6 Control circuit cables mm² 0.8 x 5.5 1 x 6 Control circuit		AWG	18 - 14
Flexible with ferrule	Terminal capacity control circuit cables		
Solid or stranded			2 x (0.75 - 2.5)
Stripping length mm 10 Terminal screw M3.5 Tightening torque Nm 1.2 Push-in terminals mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 1.5) 2 x (0.75 - 1.5) 2 x (0.75 - 1.5) Solid or stranded AWG 18 - 14 Tool Main cable Size 2 Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 1 x 6 Control circuit cables Main cable Main cable	Flexible with ferrule	mm ²	
Terminal screw M3.5 Tightening torque Nm 1.2 Push-in terminals	Solid or stranded	AWG	18 - 14
Tightening torque Nm 1.2 Push-in terminals mm² 1 x (0.75 - 2.5) 2x (0.75 - 2.5) Solid mm² 1 x (0.75 - 2.5) 2x (0.75 - 2.5) 2x (0.75 - 2.5) Elexible mm² 1 x (0.75 - 1.5) 2x (0.75 - 1.5) 2x (0.75 - 1.5) Solid or stranded AWG 18 - 14 Tool Main cable Size 2 Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 1 x 6 Control circuit cables Nm 1.2	Stripping length	mm	10
Push-in terminals mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 1.5) 2 x (0.75 - 1.5) 2 x (0.75 - 1.5) Solid or stranded AWG 18 - 14 Tool Main cable Size 2 Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 1 x 6 Control circuit cables 0.8 x 5.5 1 x 6	Terminal screw		M3.5
Solid mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5) 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5) 2 x (0.75 - 1.5) 2 x (0.75 - 1.5) 2 x (0.75 - 1.5) Solid or stranded AWG 18 - 14 Tool 8 - 14 Main cable Size 2 Standard screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 1 x 6 1 x 6	Tightening torque	Nm	1.2
Flexible	Push-in terminals		
Flexible with ferrule	Solid	mm ²	
Solid or stranded	Flexible	mm ²	
Tool Main cable Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 1 x 6 Control circuit cables	Flexible with ferrule	mm ²	
Main cable Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 1 x 6 Control circuit cables	Solid or stranded	AWG	18 - 14
Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 1 x 6 Control circuit cables	Tool		
Standard screwdriver mm 0.8 x 5.5 1 x 6 Control circuit cables	Main cable		
1 x 6 Control circuit cables	Pozidriv screwdriver	Size	2
		mm	
Pozidriv screwdriver Size 2			
		Size	
Standard screwdriver mm 0.8 x 5.5	Standard screwdriver	mm	0.8 x 5.5

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	Ue	V AC	690
Safe isolation to EN 61140			
between coil and contacts		V AC	440
between the contacts		V AC	440
Making capacity (cos φ)	Up to 690 V	Α	350 According to IEC/EN 60947
Breaking capacity			
220 V 230 V		Α	250
380 V 400 V		Α	250
500 V		Α	250
660 V 690 V		Α	144
Short-circuit rating			
Short-circuit protection maximum fuse			
Type "2" coordination			
400 V	gG/gL 500 V	Α	35
690 V	gG/gL 690 V	Α	35
Type "1" coordination			
400 V	gG/gL 500 V	Α	100
690 V	gG/gL 690 V	Α	50

AC

AC			
AC-1			
Rated operational current			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	Α	45
at 50 °C	$I_{th} = I_e$	Α	41
at 55 °C	$I_{th} = I_e$	Α	40
at 60 °C	$I_{th} = I_e$	Α	39
enclosed	I _{th}	Α	36
Conventional free air thermal current, 1 pole			
open	I _{th}	Α	117
enclosed	I _{th}	Α	105
Motor rating	P	kWh	
220/230 V	P	kW	16
240 V	P	kW	18
380/400 V	P	kW	28
415 V	P	kW	31
440 V	P	kW	33
500 V	P	kW	37
690 V	P	kW	49
AC-3			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
Notes			At maximum permissible ambient temperature (open.) Also tested according to AC-3e.
220 V 230 V	I _e	Α	25
240 V	I _e	Α	25
380 V 400 V	I _e	Α	25
415 V	I _e	Α	25
440V	I _e	Α	25

500 V	l _e	Α	25
660 V 690 V	l _e	Α	15
Motor rating	P	kWh	
220 V 230 V	P	kW	7.5
240V	P	kW	8.5
380 V 400 V	P	kW	11
415 V	Р	kW	14.5
440 V	Р	kW	15.5
500 V	Р	kW	17.5
660 V 690 V	Р	kW	14
DC			
Rated operational current, open DC-1			
60 V		^	AE.
	l _e	A	45
110 V	l _e	A	45
220 V	l _e	Α	45
Current heat loss 3 pole, at I _{th} (60°)		W	13.2
Impedance per pole Magnet systems		mΩ	2.7
Voltage tolerance			
AC operated 50 Hz	Pick-up	x U _c	0.8 - 1.1
AC operated 50/60 Hz	·	x U _c	0.85 - 1.1
Drop-out voltage AC operated	Drop-out	x U _c	0.4 - 0.6
Power consumption of the coil in a cold state and 1.0 x U_S	Drop out	λ οι	
AC operated 50/60 Hz	Pick-up	VA	50
AC operated 50/60 Hz	Pick-up	W	40
AC operated 50/60 Hz	Sealing	VA	8
AC operated 50/60 Hz	Sealing	W	2.1
Duty factor	County	% DF	100
Changeover time at 100 % U _S (recommended value)		,,	
Main contacts			
AC operated			
Closing delay		ms	16 - 22
Opening delay		ms	8 - 14
Permissible residual current with actuation of A1 - A2 by the electronics (with 0 signal).		mA	≦1
Rating data for approved types			
Switching capacity			
Maximum motor rating			
Three-phase			
200 V 208 V		HP	7.5
230 V 240 V		HP	10
460 V 480 V		HP	15
575 V 600 V		HP	20
Single-phase			
115 V 120 V		HP	2
230 V 240 V		HP	5
General use		Α	40
Auxiliary contacts			
Pilot Duty			
AC operated			A600

DC operated		P300
General Use		1 300
AC	V	600
AC		
	A	10
DC	V	250
DC	A	1
Short Circuit Current Rating	SCCR	
Basic Rating		
SCCR	kA	5
max. Fuse	Α	125
max. CB	Α	125
480 V High Fault		
SCCR (fuse)	kA	10/100
max. Fuse	Α	125/70 Class J
SCCR (CB)	kA	10/65
max. CB	Α	50/32
600 V High Fault		
SCCR (fuse)	kA	10/100
max. Fuse	Α	125/100 Class J
SCCR (CB)	kA	10/22
max. CB	Α	50/32
Special Purpose Ratings		
Electrical Discharge Lamps (Ballast)		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	40
600V 60Hz 3phase, 347V 60Hz 1phase	Α	40
Incandescent Lamps (Tungsten)		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	40
600V 60Hz 3phase, 347V 60Hz 1phase	Α	40
Resistance Air Heating		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	40
600V 60Hz 3phase, 347V 60Hz 1phase	Α	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	150
FLA 480V 60Hz 3phase	Α	25
Elevator Control		
200V 60Hz 3phase	HP	3
200V 60Hz 3phase	Α	11
240V 60Hz 3phase	HP	5
240V 60Hz 3phase	Α	15.2
480V 60Hz 3phase	HP	10
480V 60Hz 3phase	Α	14
600V 60Hz 3phase	HP	15
600V 60Hz 3phase	Α	17

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	45
Heat dissipation per pole, current-dependent	P_{vid}	W	4.4
Equipment heat dissipation, current-dependent	P_{vid}	W	13.2
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 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]) ٧ Rated control supply voltage Us at AC 50HZ 240 - 240 Rated control supply voltage Us at AC 60HZ ٧ 0 - 0 ٧ Rated control supply voltage Us at DC 0 - 0 AC Voltage type for actuating 45 Rated operation current le at AC-1, 400 V Α Rated operation current le at AC-3, 400 V Α 25 Rated operation power at AC-3, 400 V kW 11 15 Rated operation current le at AC-4, 400 V Α Rated operation power at AC-4, 400 V kW 7 Rated operation power NEMA kW 11 No Modular version 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

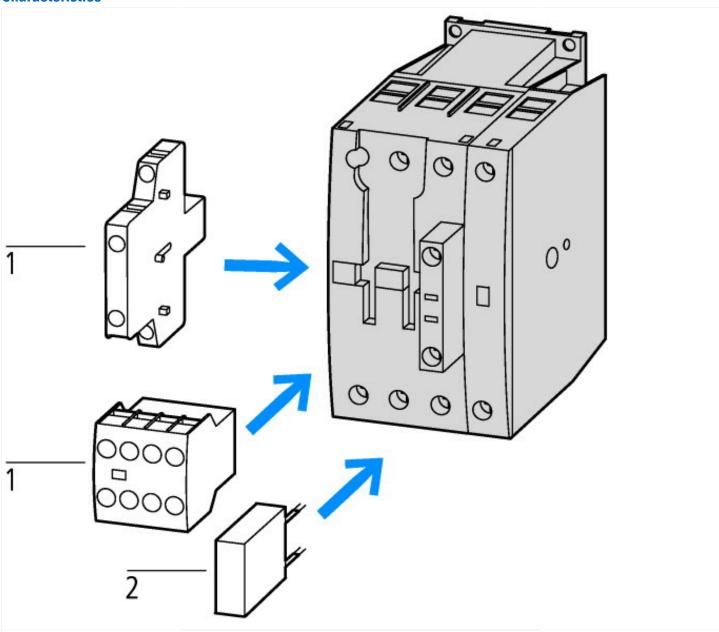
Approvals

Number of main contacts as normally open contact

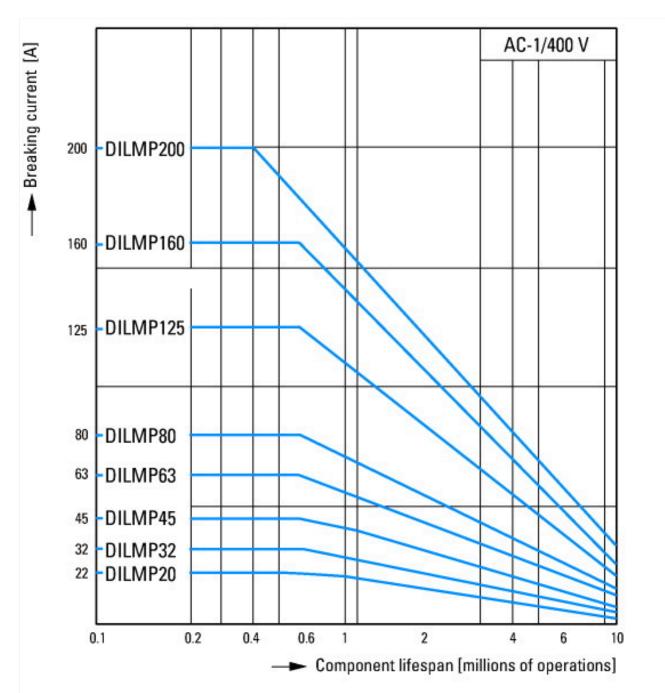
Product Standards	IEC/EN 60947-4-1; UL 60947-4-1; CSA - C22.2 No. 60947-4-1-14; CE marking
UL File No.	E29096
UL Category Control No.	NLDX

CSA File No.	012528
CSA Class No.	2411-03, 3211-04
North America Certification	UL listed, CSA certified
Specially designed for North America	No

Characteristics



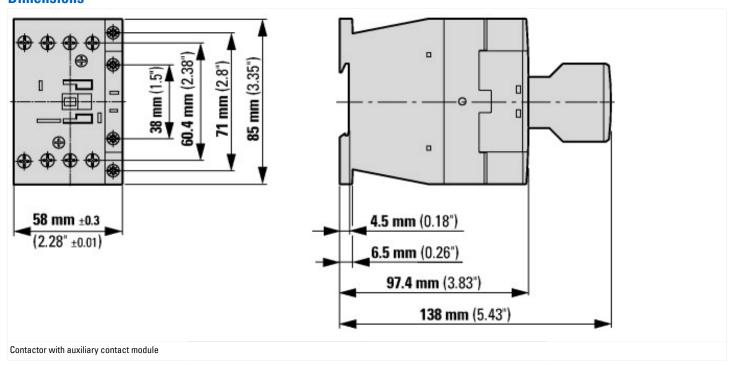
- 1: Auxiliary contact module 2: Suppressor

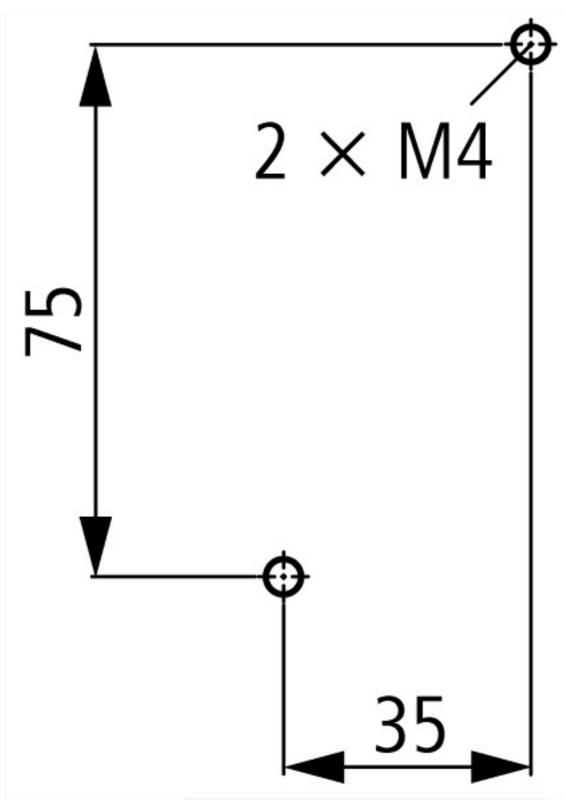


Switching conditions for 4 pole, non-motor loads Operating characteristics
Non inductive and slightly inductive loads Electrical characteristics
Switch on: 1 x rated operational current
Switch off: 1 x rated operational current
Utilization category
100 % AC-1
Typical examples of application

Electric heat

Dimensions





distance at side to earthed parts: 6 mm

DILMP32 DILMP45

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