Contactor, 3 pole, 380 V 400 V 5.5 kW, 1 N/O, 24 V DC, DC operation, Screw terminals



Part no. DILM12-10-EA(24VDC)
Catalog No. 190034



Delivery program

Delivery program			
Product range			Contactors
Application			Contactors for Motors
Subrange			Contactors up to 170 A, 3 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 AC-4: Normal AC induction motors: starting, plugging, reversing, inching
Notes			Also suitable for motors with efficiency class IE3.
Connection technique			Screw terminals
Number of poles			3 pole
Rated operational current			
AC-3			
Notes			At maximum permissible ambient temperature (open.) Also tested according to AC-3e.
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
enclosed	I _{th}	Α	18
Conventional free air thermal current, 1 pole			
open	I _{th}	Α	50
enclosed	I _{th}	Α	45
Max. rating for three-phase motors, 50 - 60 Hz			
AC-3			
220 V 230 V	P	kW	3.5
380 V 400 V	P	kW	5.5
660 V 690 V	Р	kW	6.5
AC-4			
220 V 230 V	P	kW	2
380 V 400 V	P	kW	3
660 V 690 V	P	kW	4.4
Contacts			
N/0 = Normally open			1 N/0
Can be combined with auxiliary contact			DILA-XHI(V)(-PI) DILA-XHIS DILM32-XHI(-PI)
Actuating voltage			24 V DC
Voltage AC/DC			DC operation
Connection to SmartWire-DT			yes in conjunction with DIL-SWD SmartWire DT contactor module
Instructions			Contacts to EN 50 012. Integrated varistor suppressor circuit.
Frame size			1

Technical data

General

Conordi	
Standards	IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical	

DC operated	Operations	x 10 ⁶	10
Operating frequency, mechanical			
DC operated	Operations/h		9000
Climatic proofing	орогинопо, п		Damp heat, constant, to IEC 60068-2-78
g			Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +60
Enclosed		°C	- 25 - 40
Storage		°C	- 40 - 80
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	5.7
Auxiliary contacts			
N/O contact		g	3.4
N/C contact		g	3.4
Degree of Protection			IP20
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Altitude		m	max. 2000 m
Weight			
DC operated		kg	0.296
Screw connector terminals			
Terminal capacity main cable			
Solid		mm ²	1 x (0.75 - 4) 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	single 18 - 10, double 18 - 14
Stripping length		mm	10
Terminal screw			M3.5
Tightening torque		Nm	1.2
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) 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
Stripping length		mm	10
Terminal screw			M3.5
Tightening torque		Nm	1.2
Tool			
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	0.8 x 5.5 1 x 6
Main conducting paths			
Rated impulse withstand voltage	U_{imp}	V AC	8000
Our must be no set on any Inciliation de mass			111/0

Rated impulse withstand voltage	U _{imp}	VAC	8000
Overvoltage category/pollution degree			III/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	400
between the contacts		V AC	400
Making capacity (p.f. to IEC/EN 60947)			
	Up to 690 V	Α	168
Breaking capacity			
220 V 230 V		Α	120
380 V 400 V		Α	120
500 V		Α	100
660 V 690 V		Α	70
Short-circuit rating			
Short-circuit protection maximum fuse			
Type "2" coordination			
400 V	gG/gL 500 V		20
690 V	gG/gL 690 V	А	20
Type "1" coordination 400 V	aC/al ECO.V	٨	25
400 V 690 V	gG/gL 500 V gG/gL 690 V		35
AC AC	yu/yr 090 V	А	25
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	21
at 55 °C	$I_{th} = I_e$	Α	21
at 60 °C	I _{th} =I _e	Α	20
enclosed	I _{th}	Α	18
Conventional free air thermal current, 1 pole			
open	I _{th}	Α	50
enclosed	I _{th}	Α	45
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	A	12
240 V	l _e	A	12
380 V 400 V	l _e	A	12
415 V		A	12
440V	l _e	A	12
500 V	l _e		
	l _e	A	10
660 V 690 V	I _e	Α	7
Motor rating	P P	kWh	25
220 V 230 V 240V	P	kW kW	3.5
240V 380 V 400 V	P	kW	5.5
415 V	P	kW	7
440 V	P	kW	7.5
500 V	P	kW	7
660 V 690 V	P	kW	6.5
AC-4			
Open, 3-pole: 50 – 60 Hz			
·			

200 // 200 //			-
220 V 230 V	I _e	Α	7
240 V	l _e	Α	7
380 V 400 V	I _e	Α	7
415 V	I _e	Α	7
440 V	I _e	Α	7
500 V	Ie	Α	6
660 V 690 V	I _e	Α	5
Motor rating	P	kWh	
220 V 230 V	P	kW	2
240 V	P	kW	2.2
380 V 400 V	P	kW	3
415 V	P	kW	3.4
440 V	P	kW	3.6
500 V	P	kW	3.5
660 V 690 V	P	kW	4.4
DC			
Rated operational current, open			
DC-1			
60 V	l _e	Α	20
110 V	l _e	Α	20
220 V	l _e	Α	15
Current heat loss			
3 pole, at I _{th} (60°)		W	4.2
Current heat loss at I _e to AC-3/400 V		W	1.5
Impedance per pole		mΩ	4.6
Magnet systems			
Voltage tolerance			
DC operated	Pick-up	x U _c	0.8 - 1.1
Notes			0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 – 1.3 without auxiliary contact module and at ambient air temperature + +40 °C
Notes DC operated	Pick-up Drop-out	x U _c	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 – 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6
Notes DC operated Notes			0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 – 1.3 without auxiliary contact module and at ambient air temperature + +40 °C
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S	Drop-out	x U _c	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier
Notes $\label{eq:DC} DC \ operated$ $\ Notes$ $\ Power \ consumption \ of \ the \ coil \ in \ a \ cold \ state \ and \ 1.0 \ x \ U_S$ $\ DC \ operated$	Drop-out Pick-up	x U _c	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated	Drop-out	x U _c W	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor	Drop-out Pick-up	x U _c	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value)	Drop-out Pick-up	x U _c W	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts	Drop-out Pick-up	x U _c W W W % DF	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated	Drop-out Pick-up	x U _c W W W % DF	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay	Drop-out Pick-up	x U _c W W % DF	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay	Drop-out Pick-up	x Uc W W % DF ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay	Drop-out Pick-up	x U _c W W % DF	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Opening delay	Drop-out Pick-up	x Uc W W % DF ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Opening delay Arcing time	Drop-out Pick-up	x U _c W W % DF	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Opening delay Arcing time Electromagnetic compatibility (EMC)	Drop-out Pick-up	x Uc W W % DF ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference	Drop-out Pick-up	x Uc W W % DF ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100 31 12 10 according to EN 60947-1
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x Us DC operated DC operated Duty factor Changeover time at 100 % Us (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference immunity	Drop-out Pick-up	x Uc W W % DF ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x Us DC operated DC operated Duty factor Changeover time at 100 % Us (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference immunity	Drop-out Pick-up	x Uc W W % DF ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100 31 12 10 according to EN 60947-1
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference Interference immunity Rating data for approved types	Drop-out Pick-up	x Uc W W % DF ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100 31 12 10 according to EN 60947-1
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference Interference immunity Rating data for approved types Switching capacity	Drop-out Pick-up	x Uc W W % DF ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100 31 12 10 according to EN 60947-1
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference Interference immunity Rating data for approved types Switching capacity Maximum motor rating Three-phase 200 V	Drop-out Pick-up	x Uc W W % DF ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100 31 12 10 according to EN 60947-1
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference Interference immunity Rating data for approved types Switching capacity Maximum motor rating Three-phase 200 V 208 V	Drop-out Pick-up	x Uc W W % DF ms ms ms ms HP	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100 31 12 10 according to EN 60947-1 according to EN 60947-1
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference Interference immunity Rating data for approved types Switching capacity Maximum motor rating Three-phase 200 V	Drop-out Pick-up	x U _c W W W % DF ms ms ms ms ms	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100 31 12 10 according to EN 60947-1 according to EN 60947-1
Notes DC operated Notes Power consumption of the coil in a cold state and 1.0 x U _S DC operated DC operated Duty factor Changeover time at 100 % U _S (recommended value) Main contacts DC operated Closing delay Closing delay Opening delay Opening delay Arcing time Electromagnetic compatibility (EMC) Emitted interference Interference immunity Rating data for approved types Switching capacity Maximum motor rating Three-phase 200 V 208 V 230 V	Drop-out Pick-up	x Uc W W % DF ms ms ms ms HP	0.85 - 1.1 only with auxiliary contact module with 3 or more N/C contacts 0.7 - 1.3 without auxiliary contact module and at ambient air temperature + +40 °C 0.15 - 0.6 at least smoothed two-phase bridge rectifier or three-phase rectifier 4.5 4.5 100 31 12 10 according to EN 60947-1 according to EN 60947-1

575 V 600 V	HP	10
Single-phase		
115 V	НР	1
120 V		
230 V 240 V	HP	2
General use	Α	20
Auxiliary contacts		
Pilot Duty		
AC operated		A600
DC operated		P300
General Use		
AC	٧	600
AC	Α	10
DC	٧	250
DC	Α	1
Short Circuit Current Rating	SCCR	
Basic Rating		
SCCR	kA	5
max. Fuse	Α	45
max. CB	Α	60
480 V High Fault		
SCCR (fuse)	kA	30/100
max. Fuse	Α	25 Class RK5/45 Class J
600 V High Fault		
SCCR (fuse)	kA	30/100
max. Fuse	Α	25 Class RK5/45 Class J
Special Purpose Ratings		
Electrical Discharge Lamps (Ballast)		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	20
600V 60Hz 3phase, 347V 60Hz 1phase	Α	20
Incandescent Lamps (Tungsten)		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	14
600V 60Hz 3phase, 347V 60Hz 1phase	Α	14
Resistance Air Heating		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	20
600V 60Hz 3phase, 347V 60Hz 1phase	Α	20
Refrigeration Control (CSA only)		
LRA 480V 60Hz 3phase	Α	60
FLA 480V 60Hz 3phase	Α	10
LRA 600V 60Hz 3phase	Α	60
FLA 600V 60Hz 3phase	Α	10
Definite Purpose Ratings (100,000 cycles acc. to UL 1995)		
LRA 480V 60Hz 3phase	Α	72
FLA 480V 60Hz 3phase	Α	12
Elevator Control		
200V 60Hz 3phase	HP	2
200V 60Hz 3phase	Α	7.8
240V 60Hz 3phase	HP	2
240V 60Hz 3phase	Α	6.8
480V 60Hz 3phase	HP	7.5
480V 60Hz 3phase	Α	11
600V 60Hz 3phase	HP	7.5
		9

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation	In	Α	12
Heat dissipation per pole, current-dependent	P _{vid}	W	0.5
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	4.5
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. $\label{eq:constraint}$
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.

Technical data ETIM 8.0

Rated operation power NEMA

Modular version

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)

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 - 24
Voltage type for actuating		DC
Rated operation current le at AC-1, 400 V	Α	22
Rated operation current le at AC-3, 400 V	Α	12
Rated operation power at AC-3, 400 V	kW	5.5
Rated operation current le at AC-4, 400 V	Α	7
Rated operation power at AC-4, 400 V	kW	3

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])

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

kW

7.4

No

3