

Contactor, 3p+1N/C, 5.5kW/400V/AC3

Part no. Article no. Catalog No. DILM12-01(48V50HZ) 276853 XTCE012B01Y



## Design verification as per IEC/EN 61439

observed.	<b>3 1 1 1 1 1 1</b>			
Heat dissipation per pole, current-dependent     Poid     W     0       Equipment heat dissipation, current-dependent     Poid     W     0       Static heat dissipation, current-dependent     Poid     W     14       Heat dissipation, carrent-dependent     Poids     W     0       IECEN Hasd dissipation, non-current-dependent     Poids     W     0       IECEN Hasd dissipation, carrent-dependent     Poids     W     0       IECEN Hasd dissipation, carrent-dependent     Poids     W     0       IO2.25 trength of materials and parts     Meets the product standard's requirements.     0       IO2.32 Verification of resistance of insultating materials to abnormal heat     Meets the product standard's requirements.     0       IO2.32 Verification of resistance of insultating materials to abnormal heat     Des not apply, since the entire switchgear needs to be evaluated.       IO2.32 Verification of resistance of insultating materials to abnormal heat     Des not apply, since the entire switchgear needs to be evaluated.       IO2.32 Kencharical impact     Des not apply, since the entire switchgear needs to be evaluated.       IO2.32 Kencharical impact     Des not apply, since the entire switchgear needs to be evaluated.       IO2.5 Frotectino of AS	Technical data for design verification			
Equipment heat dissipation, current-dependent     Prid     W       Static heat dissipation, current-dependent     Pris     W     1.4       Heat dissipation capacity     Pris     W     0       102.5 kristing if or materials and parts     V     0	Rated operational current for specified heat dissipation	In	А	12
Static heat dissipation, non-current-dependent     Pure Parse     W     I       Heat dissipation capacity     Parse     W     0       IECEN 61428 design verification     Parse     W     0       102.5 thronght of materials and parts     Mest she product standard's requirements.     Mest she product standard's requirements.       102.2.2 Corrisoin resistance of insulating materials to normal heat and fire due to internal electric effects     Mest she product standard's requirements.       102.3.1 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Mest she product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Mest she product standard's requirements.       102.2.3 Verification of ASSEMBUES     Dese not apply, since the entire switchgear needs to be evaluated.       102.2.1 Inscriptions     Mest she product standard's requirements.       103.0 Begree of protection of ASSEMBUES     Mest she product standard's requirements.       104.0 Larances and creepage distances     Mest she product standard's requirements.       105.0 Fortection against electric stanck     Mest she product standard's requirements.       104.0 Larances and creepage distances     Mest she pandu builder's reaponsbibility.	Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0.3
Heat dissipation capacity     Pdase     W       Place     W        IEC/EN 61439 design verification     Meets the product standard's requirements.       10.2.2 Corrision 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 abnormal heat and fire due to internal electric effects     Meets the product standard's requirements.       10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Meets the product standard's requirements.       10.2.3 Lysing benchanceal lectric effects     Meets the product standard's requirements.       10.2.5 Lifting     Does not apply, since the entire switchgear needs to be evaluated.       10.2.5 Lifting     Does not apply, since the entire switchgear needs to be evaluated.       10.2.5 Lifting     Does not apply, since the entire switchgear needs to be evaluated.       10.2.5 Lifting     Does not apply, since the entire switchgear needs to be evaluated.       10.4 Clearances and creepage distances     Does not apply, since the entire switchgear needs to be evaluated.       10.5 Incorporation of switching devices and components     Does not apply, since the entine switchgear needs to be evaluated.	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
ECE/EN 6149 design verification     Action       102.2 Strength of materials and parts     Meets the product standard's requirements.       102.3.1 Verification of sistance of insulating materials to abnormal heat     Meets the product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       102.3.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       102.2.3 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       102.2.5 Ufting     Does not apply, since the entire switchgear needs to be evaluated.       102.7 Inscriptions     Meets the product standard's requirements.       103.0 Degree of protection of ASSEMBLIES     Does not apply, since the entire switchgear needs to be evaluated.       104.1 Clearances and creepage distances     Meets the product standard's requirements.       105.1 Incorporation of switching devices and components     Does not apply, since the entire switchgear needs to be evaluated.       105.1 Incorporation of switching devices and components     Is the panel builder's responsibility.       105.2 Protection against electric stored     Is the pan	Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	1.4
10.2 Strength of materials and parts   Image: 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 bohormal heat and fire due to internal electric effects   Meets the product standard's requirements.     10.2.3.4 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.     10.2.7 Inscriptions   Does not apply, since the entire switchgear needs to be evaluated.     10.3.0 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.     10.4 Degrae of protection of switching devices and components   Does not apply, since the entire switchgear needs to be evaluated.     10.5 Protection against electric strength   Is the panel builder's responsibility.     10.8 Incorporation of switching devices and components   Is the panel builder's responsibility.     10.9 Insulation properities   Is the p	Heat dissipation capacity	P <sub>diss</sub>	W	0
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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	10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
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	10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function			

## **Technical data ETIM 6.0**

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC	2000066)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss8.1-27-37-10-03 [AAB718012])				
Rated control supply voltage Us at AC 50HZ	V	48 - 48		
Rated control supply voltage Us at AC 60HZ	V	0 - 0		
Rated control supply voltage Us at DC	V	0 - 0		
Voltage type for actuating		AC		
Rated operation current le at AC-1, 400 V	А	14		
Rated operation current le at AC-3, 400 V	А	12		
Rated operation power at AC-3, 400 V	kW	5.5		
Rated operation current le at AC-4, 400 V	А	7		
Rated operation power le at AC-4, 400 V	kW	3		

Modular version	No
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as normally closed contact	1
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 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.	2411-03, 3211-04
North America Certification	UL listed, CSA certified
Specially designed for North America	No

## Dimensions



