DATASHEET - DIULM40/11(230V50HZ,240V60HZ)



Reversing contactor combination, 380 V 400 V: 18.5 kW, 230 V 50 Hz, 240 V 60 Hz, AC operation



Part no.	DIULM40/11(230V50HZ,240V60HZ)
Catalog No.	278211
Alternate Catalog	XTCR040D11F
No.	
EL-Nummer	4130470
(Norway)	

Delivery program

Product range			Contactor combinations
Application			Contactor combinations for starting motors with two directions of rotation
Accessories			DIUL reversing combinations
Utilization category			NAC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
			IE3 🗸
Notes			Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging.
Rated operational current			
AC-3			
380 V 400 V	le	А	40
Max. rating for three-phase motors, 50 - 60 Hz			
AC-3			
220 V 230 V	Р	kW	12.5
380 V 400 V	Р	kW	18.5
660 V 690 V	Ρ	kW	23
AC-4			
220 V 230 V	Р	kW	5
380 V 400 V	Р	kW	9
660 V 690 V	Ρ	kW	12
Actuating voltage			230 V 50 Hz, 240 V 60 Hz
Voltage AC/DC			AC operation
Individual components of the combination			
Contactor Q11 DILM40 + DILM150-XHI11			
Contactor Q12 DILM40 + DILM150-XHI11			
Spare auxiliary contacts			
Mechanical interlock +			
Circuit diagram			
Contact sequence $(M A2)^{21}$			

Design verification as per IEC/EN 61439

0			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	40
Heat dissipation per pole, current-dependent	P _{vid}	W	3.1

observed.	Equipment heat dissipation, current-dependent	P _{vid}	W	9.3
Operating ambient temperature min. C -3 Operating ambient temperature max. 60 -3 102.5 Krength of materials and parts 60	Static heat dissipation, non-current-dependent	P _{vs}	W	4.1
Intervention Intervention<	Heat dissipation capacity	P _{diss}	W	0
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10.2 Strength of materials and parts Meets the product standard's requirements. 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 abnormal heat and fire due to internal electric effects Meets the product standard's requirements. 10.2.3.1 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. 10.3.2 Protection of ASSEMBLIES 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. 10.4 Diearances and creepage distances Is the panel builder'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 Is the panel builder's responsibility. 10.8 Connections for external conductors Is th	Operating ambient temperature max.		°C	60
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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 7.0

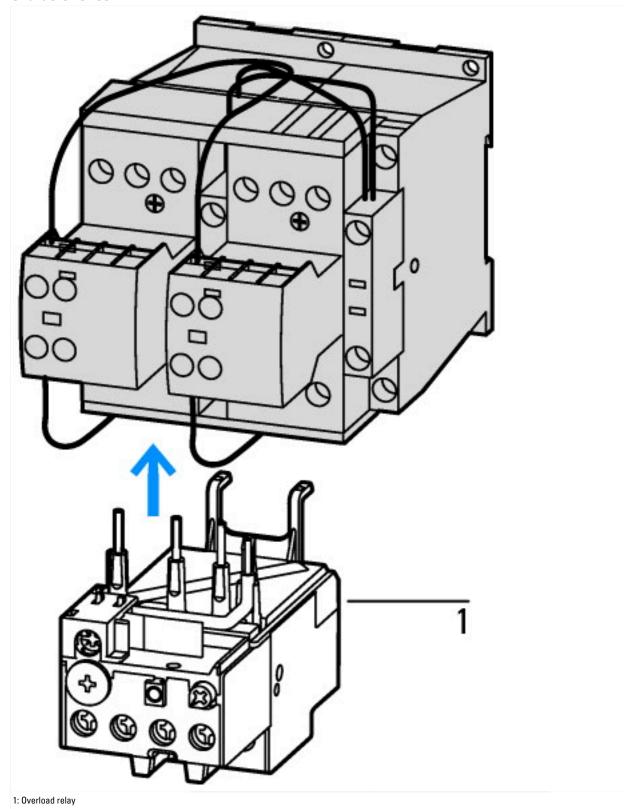
Low-voltage industrial components (EG000017) / Combination of contactors (EC000010)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Combination of contactor (ecl@ss10.0.1-27-37-10-09 [AGZ572014])			
Function			Reversing safety
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-3, 400 V		Α	40
Rated operation power at AC-3, 400 V		kW	18.5
Rated operation power NEMA		kW	22
Type of electrical connection of main circuit			Screw connection
Degree of protection (IP)			IP00
Degree of protection (NEMA)			Other

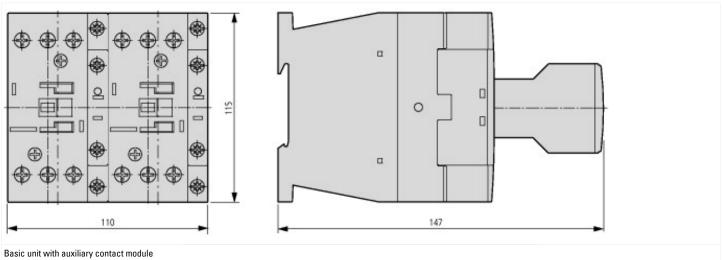
Approvals

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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

Characteristics



Dimensions



Assets (links)

Declaration of CE Conformity 00003252

Instruction Leaflets IL03407030Z2018_05 IL03407033Z2018_03