

Reversing contactor combination, 3p, +2S free, 3kW/400V/AC3



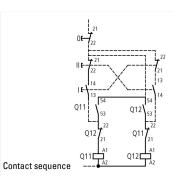
 Part no.
 DIULM7/21(230V50HZ,240V60HZ)

 Article no.
 278061

 Catalog No.
 XTCR007B21F

Delivery program

Product range Application Accessaries Ubication catalysis for contactor combinations Accessaries Ubication eatagory Accessaries A	Delivery program			
Accessories	Product range			Contactor combinations
Distinction exceptory Notes Notes Rated operational current AC 3 380 v 480 v Max. rating for three-phase motors, 50 - 60 Hz AC 3 380 v 480 v Max. rating for three-phase motors, 50 - 60 Hz AC 3 380 v 480 v P	Application			Star-delta motor starting for contactor combinations
Notes Rated operational current AC-3 330 W 50 V Max. rating for three-phase motors, 50 - 50 Hz AC-3 300 W 50 V P	Accessories			DIUL reversing combinations
Notes Rated operational current AC-3 380 v 800 V Max. rating for three-phase motors, 50 - 60 Hz 220 V 230 V 800 V 800 V P	Utilization category			NAC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
Rated operational current AC-3 389 V 409 V MEX. rating for three-phase motors, 50 - 60 Hz AC-3 229 V 239 V P				IE3 ✓
AC-3	Notes			
Max. rating for three-phase motors, 50 - 60 Hz	Rated operational current			
Mex. rating for three-phase motors, 50 - 60 Hz AC-3 220 V 280 V P W 22 350 V 880 V P W 35 AC-4 220 V 280 V P W 35 AC-4 220 V 280 V P W 22 860 V 880 V P W 22 860 V 880 V P W 29 Actuating voltage Voltage AC QCC Actuating voltage Voltage AC QCC Contactor (21 DILM7-91 + DILAX-91/2) Contactor (21 DILM7-91 + DILAX-91/2) ACTUATION ACTUAT	AC-3			
AC-3	380 V 400 V	I _e	Α	7
220 V 230 V	Max. rating for three-phase motors, 50 - 60 Hz			
380 V 400 V 680 V 890 V P MW 3.5 AC-4	AC-3			
660 V 980 V P KW 1 1 1 1 1 1 1 1 1	220 V 230 V	P	kW	2.2
AC-4	380 V 400 V	Р	kW	3
220	660 V 690 V	Р	kW	3.5
Salv 440	AC-4			
Foundation Fou	220 V 230 V	P	kW	1
Actuating voltage Voltage AC/DC Individual components of the combination Contactor 011 DILM7-01 + DILA-XHI20 Contactor 012 DILM7-01 + DILA-XHI20 Spare auxiliary contacts 644 Mechanical interlock+	380 V 400 V	P	kW	2.2
Voltage AC/DC AC operation Individual components of the combination AC operation Contactor 011 DILM7-01 + DILA-XH120 AC operation Contactor 012 DILM7-01 + DILA-XH120 AC operation Spare auxiliary contacts AC operation Application of the combination AC operation AC opera	660 V 690 V	P	kW	2.9
Individual components of the combination Contactor Q11 DILM7-01 + DILA XHI20 Contactor Q12 DILM7-01 + DILA XHI20 Spare auxiliary contacts 63 64 64 Mechanical interlock +	Actuating voltage			230 V 50 Hz, 240 V 60 Hz
Contactor 011 DILM7-01 + DILA HI20 Contactor 0112 DILM7-01 + DILA HI20 Spare auxiliary contacts 1 63 64 64 64 Mechanical interlock +	Voltage AC/DC			AC operation
+ DILA XHI20 Contactor 012 DILM7-01 + DILA XHI20 Spare auxiliary contacts 63	Individual components of the combination			
# DILA-XHI20 Spare auxiliary contacts 1 63 1 64 1 63 1 64 1 64 Mechanical interlock +	+ DILA-XHI20			
64 64 64 64 64 Mechanical interlock +	+ DILA-XHI20			
\ 64\ 63\ 64 Mechanical interlock +	Spare auxiliary contacts			
a12 Mechanical interlock +	\\ 64			
Mechanical interlock +	\\ 64			
	Circuit diagram			



Design verification as per IEC/EN 61439

2001g.: 1011110aon ao poi 120, 211 01 100			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	7
Heat dissipation per pole, current-dependent	P _{vid}	W	0.17
Equipment heat dissipation, current-dependent	P _{vid}	W	0.51
Static heat dissipation, non-current-dependent	P _{vs}	W	1.4
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 switch gear must be observed. $\label{eq:specification}$
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

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@ss8.1-27-37-10-09 [AGZ572011])

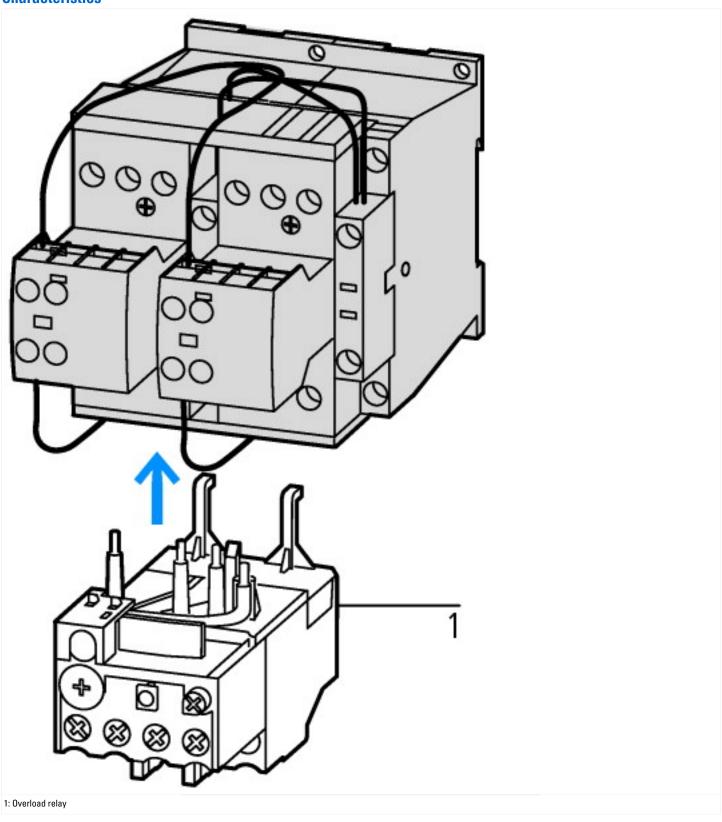
Electric dignicering, administration, process control dignicering Low voltage switch technology / domains of contactor (EV)/ doma		
Function		Reversing safety
Rated control supply voltage Us at AC 50HZ	V	230 - 230
Rated control supply voltage Us at AC 60HZ	V	240 - 240
Rated control supply voltage Us at DC	V	0 - 0
Voltage type for actuating		AC

Rated operation current le at AC-3, 400 V	А	7
Rated operation power at AC-3, 400 V	kW	3
Type of electrical connection of main circuit		Screw connection
Degree of protection (IP)		IP20

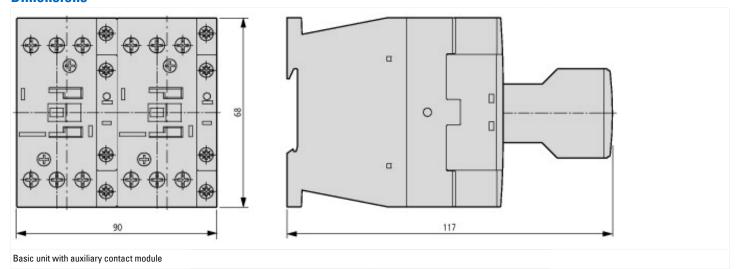
Approvals

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



DIULM7...DIULM65

Additional product information (links)

IL03407030Z (AWA2100-2139) Wiring for contactor combinations

IL03407030Z (AWA2100-2139) Wiring for contactor combinations

 $ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407030Z2011_07.pdf$