DATASHEET - DILM32-XHI11-S



Auxiliary contact module, 1N/O+1N/C, side, screw connection

Part no. DILM32-XHI11-S
Catalog No. 101371
Eaton Catalog No. XTCEXSCC11
EL-Nummer 4130224

(Norway)



Delivery program

Accessories Description Descri	Delivery program			
Description Function Number of poles Connection technique Rated operational current, 1 pole Open at 80 °C AC-15 AC-15 220 V 230 V 240 V 15 V 16 AC-15 NO = Normally open NC = Normally closed Mounting type Contacts sequence Contact sequence Contact sequence For use with Note I work with Type Note the management of the m	Product range			Accessories
Function Number of poles Connection technique Rated operational current Open Qpen 1 t 80 °C AC-15 AC-15 20 V 230 V 240 V	Accessories			Auxiliary contact modules
Number of poles Connection technique Rated operational current Conventional free air thermal current, 1 pole Open at 80 °C AC-15 AC-15 220 V 230 V 240 V 380 V 400 V 415 V Contacts N/C = Normally closed Munuming type Contacts sequence For use with To pum/II DILMF1 DILMF2 DILMF2 DILMF2 DILMF1 DILMF2 DILMF2 DILMF2 DILMF2 DILMF1 DILMF2	Description			with interlocked opposing contacts
Conventional technique Rated operational current Conventional free air thermal current, 1 pole Open at 60 °C AC-15 AC-15 20 \ 230 \ 240 \ V 380 \ 440 \ V 41 \ A 4 Contacts NO = Normally closed Mounting type Contact sequence Contact sequence For use with For use with Note concerning the product Type Note concerning the product Side	Function			for standard applications
Rated operational current Conventional free air thermal current, 1 pole Open at 60 °C In AC-15 220 V230 V240 V Ie A 4 380 V 400 V 415 V Ie NOE Normally open NC = Normally closed Mounting type Contacts sequence For use with To use with	Number of poles			2 pole
Conventional free air thermal current, 1 pole Image: Conventional free air thermal current, 2 pole <th< td=""><td>Connection technique</td><td></td><td></td><td>Screw terminals</td></th<>	Connection technique			Screw terminals
Open In A 16 AC-15 220 V 230 V 240 V Ie A 4 380 V 400 V 415 V Ie A 4 Contacts N/C = Normally closed In In In Mounting type Side mounted In In In Contact sequence In In <td>Rated operational current</td> <td></td> <td></td> <td></td>	Rated operational current			
AC-15	Conventional free air thermal current, 1 pole			
AC-15 220 V 230 V 240 V 380 V 400 V 415 V 10 A 4 Contacts N/0 = Normally open N/C = Normally closed Mounting type Contact sequence Contact sequence For use with I N/2 DILM17 DILM2 DILM32 DILM82 DILM82 DILM81 DILM82 DILM81 DILM82 DILM81 DILM81.	Open			
Section Sect	at 60 °C	I _{th}	Α	16
Salv 400 V 415 V Contacts N/O = Normally open N/C = Normally closed Mounting type Contact sequence For use with DILM75 DILM75 DILM78 DILM78 DILM78 DILM78 DILM79 DILM79.	AC-15			
N/O = Normally open N/C = Normally closed N/O = Normally closed Nounting type Contact sequence Total test with DILM72 DILM72 DILM73 DILM74 DILM74 DILM74 DILM75 DILM75 DILM75 DILM75 DILM762 DILM762 DILM762 DILM763 DILM763 DILM763 DILM763 DILM763 DILM763 DILM764 DILM764 DILM764 DILM765 DILM765 DILM765 DILM7682 Side-mounting auxiliary contacts	220 V 230 V 240 V	l _e	Α	4
N/O = Normally open N/C = Normally closed 1 NC Mounting type Contact sequence For use with DILM72 DILM72 DILM78 DILM78 DILM78 DILM71 DILMF11 DILMF11 DILMF12 DILMF12 DILMF12 DILMF12 DILMF13 DILMF13 DILMF13 DILMF13 DILMF13 DILMF13 DILMF13 DILMF13 DILMF13 DILMF14 DILMF15 DILMF15.	380 V 400 V 415 V	I _e	Α	4
N/C = Normally closed Mounting type Contact sequence For use with DILM72 DILM82 DILM83 DILM61 DILM61 DILM61 DILM62 DILM62 DILM62 DILM61 DILM62	Contacts			
Mounting type Contact sequence Contact sequence For use with DILM17 DILM25 DILM32 DILM51 DILM61 DILM617 DILM617 DILM617 DILM617 DILM625 DILM625 DILM625 DILM625 DILM625 DILM632 DILM6	N/O = Normally open			1 N/0
Contact sequence 153 61 54 62 54 62 54 62 54 62 54 62 54 62 54 62 54 62 54 62 54 62 54 62 54 62 54 62 50 1	N/C = Normally closed			1 NC
For use with DILM17 DILM25 DILM32 DILM88 DILMF11 DILMF11 DILMF17 DILMF25 DILMF25 DILMF32 Type Side-mounting auxiliary contacts	Mounting type			Side mounted
DILM25 DILM32 DILM38 DILMF11 DILMF11 DILMF17 DILMF25 DILMF25 DILMF32 Type Side-mounting auxiliary contacts	Contact sequence			\7
Note concerning the product	For use with			DILM25 DILM32 DILM58 DILMF11 DILMF17 DILMF17 DILMF25
	Туре			Side-mounting auxiliary contacts
Can be fitted only to the left of the contactor; can not be combined with top-mounting auxiliary contacts or mechanical interlocks	Note concerning the product			
	Can be fitted only to the left of the contactor; can not be combined with top-moun	ting auxiliary co	ntacts or r	mechanical interlocks

Technical data

Electrical specifications for standard auxiliary contacts

Electrical specifications for standard auxiliary contacts			
Interlocked opposing contacts within an auxiliary contact module (to IEC 60947-5-1 Annex L) $$			Yes
N/C contact (not late-break contact) suitable as a mirror contact (to IEC/EN 60947-4-1 Annex F)			DILM17 - DILM38
Rated impulse withstand voltage	U_{imp}	kV	6
Overvoltage category/pollution degree			III/3
Rated insulation voltage	Ui	V AC	690

Rated operational voltage	U _e	V AC	500
Safe isolation to EN 61140			
between coil and auxiliary contacts		V AC	400
between the auxiliary contacts		V AC	400
Rated operational current		Α	
Conventional free air thermal current, 1 pole			
Open			
at 60 °C	I _{th}	Α	16
AC-15			
220 V 230 V 240 V	I _e	Α	4
380 V 400 V 415 V	I _e	Α	4
500 V	I _e	Α	1.5
DC current			
DC L/R ≦ 15 ms			
Contacts in series:		Α	
1	24 V	Α	10
1	60 V	Α	6
1	110 V	Α	3
1	220 V	Α	1
DC-13 (6xP)			
24 V	I _e	Α	2.5
60 V	I _e	Α	1
110 V	I _e	Α	0.5
220 V	I _e	Α	0.25
Control circuit reliability	Failure rate	λ	$<\!10^{-8}$, $<$ one failure at 100 million operations (at U $_{e}$ = 24 V DC, U_{min} = 17 V, I_{min} = 5.4 mA)
Component lifespan			
at U _e = 230 V, AC-15, 3 A	Operations	x 10 ⁶	1.3
Short-circuit rating without welding			
max. fuse		A gG/gL	10
Rating data for approved types			
Auvilianu aantaata			

Auxiliary contacts		
Pilot Duty		
AC operated		A600
DC operated		P300
General Use		
AC	V	600
AC	Α	15
DC	V	250
DC	Α	1

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	4
Heat dissipation per pole, current-dependent	P _{vid}	W	0.14
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0
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.

observed.		
and fire due to internal electric effects 10.24 Resistance to ultra-violet (UV) radiation 10.25 Lifting 10.26 Mechanical impact 10.27 Inscriptions 10.27 Inscriptions 10.28 Mechanical impact 10.27 Inscriptions 10.28 Mechanical impact 10.29 Inscriptions 10.29 Every and a creepage distances 10.29 Protection against electric shock 10.29 Inscriptions 10.29 Inscription of ASSEMBLIES 10.30 Degree of protection of ASSEMBLIES 10.40 Incorporation of switching devices and components 10.50 Incorporation of switching devices and components 10.51 Internal electrical circuits and connections 10.51 Inscriptions of external conductors 10.52 Power-frequency electric strength 10.52 Power-frequency electric strength 10.53 Impulse withstand voltage 10.54 Testing of enclosures made of insulating material 10.50 Temperature rise 10.51 Short-circuit rating 10.51 Short-circuit rating 10.52 Electromagnetic compatibility. 10.53 Insulation properties observed. 10.54 Testing of enclosures made of insulations for the switchgear must be observed.	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated. 10.2.6 Mechanical impact 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. Meets the product standard's requirements. 10.4 Clearances and creepage distances Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 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. 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder's responsibility. 10.10 Temperature rise The panel builder's responsibility. The specifications for the switchgear must be observed. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed.	· ·	Meets the product standard's requirements.
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10.3 Degree of protection of ASSEMBLIES 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. 10.9.1 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating Is the panel builder is responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility. 10.25 Protection against electric strength and the devices and companies an	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder is responsibility. The specifications for the switchgear must be observed.	10.2.7 Inscriptions	Meets the product standard's requirements.
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10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.14 Short-circuits and connections Is the panel builder's responsibility. Is the panel builder's responsibility. The panel builder is responsibility. The panel builder is responsibility. The panel builder is responsibility. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
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10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. Is the panel builder's responsibility. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.9 Insulation properties	
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observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.10 Temperature rise	
observed.	10.11 Short-circuit rating	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	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
leaflet (IL) is observed.	10.13 Mechanical function	

Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss8.1-27-37-13-02 [AKN342010])

Number of contacts as change-over contact

Number of contacts as normally open contact

Number of contacts as normally closed contact

1
Rated operation current le at AC-15, 230 V

A 6

Type of electric connection

Model

Mounting method

Mounting method

Approvals

Product Standards	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-04
North America Certification	UL listed, CSA certified
Specially designed for North America	No

Additional product information (links)

IL03407013Z (AWA2100-2126) Contactors	
IL03407013Z (AWA2100-2126) Contactors	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407013Z2018_04.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
Motor starters and "Special Purpose Ratings" for the North American market	http://www.moeller.net/binary/ver_techpapers/ver953en.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
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf