DATASHEET - DILM32-XP1



Paralleling link, for DILM17-32

Part no.DILM32-XP1Catalog No.281194Alternate CatalogXTCEXPLKCNo.EL-Nummer4110351(Norway)



Delivery program

Contact sequence	
Product range	Accessories
Accessories	Wiring accessories
For use with	DILM17 - DILM32 DILMF8 - DILMF32
For use with	Paralleling links for DILM17 to DILM32
Information about equipment supplied	consisting of 2 paralleling links
Instructions AC1 current carrying capacity of the open contactor increases by a factor of 2.5 Protected against accidental contact in accordance to VDE 0106 part 100	

Technical data

Parallel link

Solid mm ² femme ² Fexible with ferrule mm ² femme ² Stranded mm ² femme ² Tightening torque mm ² femme ² Tol Mm ² femme ² Pozidriv screwdriver Mm ² femme ² Strande Mm ² femme ² Spole Mm ² femme ² Spole Mm ² femme ² Rating data for approved types Mm ² femme ²				
Facility or up Image	Terminal capacities		mm ²	
Initial Initial Stranded Initial Stranded Initial Tightening torque Initial Pozidrivs arcedriver Initial Pozidriv scredriver Initial Conventional thermal current Initial Spole Initial Spole Initial Basic Rating Initial ScCR Initial Max Fuse Initial Ago High Fault Initial ScCR (fuse) Initial ScCR	Solid		mm ²	16
Tightening torque Image: Marrier of the second	Flexible with ferrule		mm ²	1 x (16 - 35)
PaidPaidPaidPaidPaidA=leAASpoleInAOBaic RatingInAASocrGaInAASocrGaInAAMax FuseInSASocrGaInAASocrGaInAASocrGaInAASocrGaInAASocrGaInAASocrGaInInASocrGaInInASocrGaInInASocrGaInInASocrGaInInASocrGaInInInSocrGaInInInSocrGaInInInSocrGaInInInSocrGaInInInSocrGaInInInSocrGa <tdin< td="">InInSocrGa<tdin< td="">InInSocrGa<tdin< td="">InInSocrGa<tdin< td="">InInSocrGa<tdin< td="">InInSocrGa<tdin< td="">InInSocrGa<tdin< td="">InInSocrGaInInSocrGa<tdin< td="">InSocrGa<tdin< td="">InSocrGaInInSocrGaInInSocrGaInInSocrGa<tdin< td="">InSocrGaIn<td< td=""><td>Stranded</td><td></td><td>mm²</td><td>1 x (16 - 50)</td></td<></tdin<></tdin<></tdin<></tdin<></tdin<></tdin<></tdin<></tdin<></tdin<></tdin<>	Stranded		mm ²	1 x (16 - 50)
Padidivscrewdriver Image Size Second Apole Am	Tightening torque		Nm	4
Conventional thermal current Image A a 3 pole bh A Basic Rating SCCR SCCR Basic Rating Image A SCCR Image A Max Fuse Image A ABOV High Fault Image A SCCR (fuse) Image A SCCR (fuse) Image A Max Fuse Image A SCCR (fuse) Image Image Max Fuse	Tool			
Bail A A 3 pole Ma A Baic data for approved types SCCR	Pozidriv screwdriver		Size	2
Raing data for approved types Short Circuit Current Rating SCCR Basic Rating SCCR SCCR C max. Fuse C ABOV High Fault C SCCR (fuse) C Max. Fuse C SCCR (fuse) C C SCCR (fuse) C C SCCR (fuse) C C C	Conventional thermal current	$I_{th} = I_e$	А	
Shot Grout Current RatingSCCRBasic Rating-SCCRKAmax. FuseCABD V High Fault-SCCR (fuse)-max. FuseKASCCR (fuse)-max. CB-SCCR (fuse)-max. Fuse-SCCR (fuse)-max. Fuse-Max. CB-Max. CB-Max. Fuse-SCCR (fuse)-Max. Fuse-Max. Fuse-Ma	3 pole	I _{th}	А	100
Basic RatingImage: Image:	Rating data for approved types			
SCCRkA5max.Fuse6A15max.CB6A15480 V High Fault77SCCR (fuse)6A1/10max.Fuse6A1/00SCCR (CB)6A1/5max.CB6A1/5SCCR (fuse)6A5/32foto V High Fault77SCCR (fuse)6A1/00foto V High Fault77SCCR (fuse)6A1/10SCCR (fuse)6A1/10SCCR (fuse)6A1/10SCCR (fuse)6A1/12SCCR (fuse)6A1/12	Short Circuit Current Rating		SCCR	
max.FuseA3max.CBA15480 V High FaultVVSCCR (fuse)A1/00max.FuseA1/00SCCR (CB)A1/02max.CBA0/02SCCR (fuse)A1/02SCCR (fuse)A1/02SCCR (fuse)A1/02SCCR (fuse)A1/02SCCR (fuse)A1/02SCCR (fuse)A1/02SCCR (fuse)A1/02	Basic Rating			
max.CBA25480 V High FaultCCSCCR (fuse)KA1010max.FuseCA25/70 Class JSCCR (CB)KA1065max.CBCCSCCR (fuse)CCSCCR (fuse)KA1010SCCR (fuse)KA1010SCCR (fuse)KA1010max.FuseKA1010SCCR (fuse)KA1010SCCR (fuse)KA1010SCCR (CB)KA1010SCCR (CB)KA1010SCCR (CB)KA102	SCCR		kA	5
480 V High Fault Model SCCR (fuse) KA 0/100 max. Fuse CA 12/70 Class J SCCR (CB) KA 1/65 max. CB A 5/32 600 V High Fault A 5/32 SCCR (fuse) KA 1/10 max. Fuse A 1/10 SCCR (fuse) A 1/10 max. Fuse A 1/10 SCCR (CB) KA 1/10	max. Fuse		А	125
SCCR (fuse)IAi/100max. FuseIA125/0 Class JSCCR (CB)IAI/65max. CBIAS/32600 V High FaultIAI/100SCCR (fuse)IAI/100max. FuseIAI/25 Class JSCCR (CB)IAI/20	max. CB		А	125
max.FuseA12/70 Class JSCCR (CB)KA10/65max.CBA5/32600 V High FaultSCCR (fuse)KA1/100max.FuseA25/125 Class JSCCR (CB)KA1/22	480 V High Fault			
SCCR (CB) KA i/d6 max. CB 5/32 5/32 600 V High Fault M 1/10 SCCR (fuse) KA 1/10 max. Fuse L 1/22	SCCR (fuse)		kA	10/100
max. CBA5/32600 V High FaultAASCCR (fuse)KA1/100max. FuseA125/125 Class JSCCR (CB)KA1/22	max. Fuse		А	125/70 Class J
600 V High Fault Image: CR (fuse) SCCR (fuse) KA max. Fuse A SCCR (CB) KA	SCCR (CB)		kA	10/65
SCCR (fuse)kA10/100max. FuseA125/125 Class JSCCR (CB)kA10/22	max. CB		А	50/32
max. FuseA125/125 Class JSCCR (CB)kA10/22	600 V High Fault			
SCCR (CB) kA 10/22	SCCR (fuse)		kA	10/100
	max. Fuse		А	125/125 Class J
max. CB A 50/32	SCCR (CB)		kA	10/22
	max. CB		А	50/32

Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	115
Heat dissipation per pole, current-dependent	P _{vid}	W	0.1
Equipment heat dissipation, current-dependent	P _{vid}	W	0.3
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.
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 switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Accessories for low-voltage switch technology (EC002498)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switch technology (accessories) (ecl@ss10.0.1-27-37-13-92 [AKN570013])

Type of accessory

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.	3211-03
North America Certification	UL listed, CSA certified
Specially designed for North America	No

Connecting bridge

Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market	http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.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
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