# **DATASHEET - DILM12-XDSB0/4**



Three-phase busbar link for 4 DILM7-12

Part no. DILM12-XDSB0/4
Catalog No. 240085
Alternate Catalog XTCEXCLK4B



**Delivery program** 

Product range	Accessories
Accessories	Three-phase commoning links
Description	Protective against direct contact. Short-circuit proof can be extended by rotating installation ( $\sum$ lu $\leq$ 35 A)
For use with	
For use with	DILM7 DILM9 DILM12 DILM15 DS7-34SX004 DS7-34SX007 DS7-34SX009 DS7-34SX012
Notes	
Suitable for 4 contactors, length 157 mm	
Notes	
For the primary side of DS7	

### **Technical data**

Length 157 mm

Suitable for 4 DS7 soft starters

Rated operational voltage	U <sub>e</sub>	V	690
Rated uninterrupted current	I <sub>u</sub>	Α	35

# **Design verification as per IEC/EN 61439**

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	35
Heat dissipation per pole, current-dependent	$P_{\text{vid}}$	W	0.6
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	1.8
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	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) / Phase busbar (EC000215)

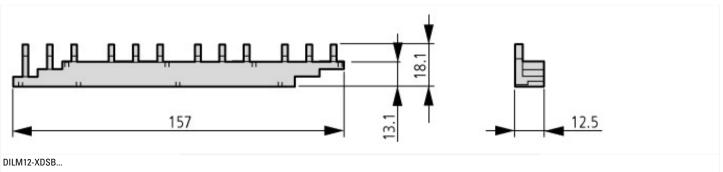
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Phase busbar (ecl@ss10.0.1-27-37-13-06 [ACN992011])

[ACN992011])			
Number of phases		3	
Number of poles		3	
Suitable for number of devices		4	
Pitch dimensions	mm	m 45	
Cross section	mm	m² 0	
Length	mm	m 180	
Number of modular spacings		0	
Rated permanent current lu	А	35	
Type of electric connection		Pin	
Insulated		Yes	
Rated surge voltage	kV	<i>l</i> 0	
Conditioned rated short-circuit current Iq	kA	Δ 0	
Max. rated operation voltage Ue	V	690	
Rated short-time withstand current lcw	kA	Α 0	
Suitable for devices with N-busbar		No	
Suitable for devices with auxiliary switch		No	

# **Approvals**

Product Standards	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.	E36332
UL Category Control No.	NLRV
CSA File No.	012528
CSA Class No.	2411-03
North America Certification	UL listed, CSA certified
Specially designed for North America	No

# **Dimensions**



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