

Busbar 1m for PXS24 Electronic overcurrent protection for 24V DC



Part no. PXS24-BB/80A/1m
PXS24BB00001

General specifications		
Product name		Eaton Moeller series xEffect - PXS24 phase busbar
Part no.		PXS24-BB/80A/1m
EAN		9010238036437
Product Length/Depth		1000 millimetre
Product height		11.5 millimetre
Product width		4 millimetre
Product weight		0.234 kilogram
Compliances		RoHS conform
Certifications		IEC 61373 EN45545-2
Product Tradename		xEffect - PXS24
Product Type		Accessories
Product Sub Type		Phase busbar
Delivery program		
Type		Automation engineering 24V
Amperage rating		80 A
Number of poles		Single-pole
Number of phases		0
Technical Data - Electrical		
Voltage rating		24 V DC (15 V DC - 30 V DC)
Rated operational voltage (Ue) - max		30 V
Rated surge voltage		0 kV
Rated uninterrupted current (Iu)		80 A
Rated conditional short-circuit current (Iq)		0 kA
Rated short-time withstand current (Icw)		0 kA
Electric connection type		Other
Technical Data - Mechanical		
Number of modular spacings		57
Color		Other
Mounting method		Can be snapped onto PXS24 modules
Cross section		16 mm ²
Number of channels		0
Design verification as per IEC/EN 61439 - technical data		
Ambient operating temperature details		-30 °C - 55 °C
Permitted storage and transport temperature - min		-40 °C
Permitted storage and transport temperature - max		100 °C
Design verification as per IEC/EN 61439		
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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.
Additional information		
Functions		Automation engineering 24V
Protection		None
Suitable for		57 devices Devices with auxiliary switch
Suitable for number of devices		57

Technical data ETIM 9.0

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 (ec@ss13-27-37-13-06 [ACN992016])		
Number of phases		0
Number of poles		1
Suitable for number of devices		57
Module width	mm	17.5
Cross section	mm ²	16
Length	mm	1000
Can be cut to size		No
Width in number of modular spacings		57
Rated permanent current I _u	A	80
Type of electric connection		Other
Insulated		No
Rated surge voltage	kV	0
Conditioned rated short-circuit current I _q	kA	0
Max. rated operation voltage U _e	V	30
Rated short-time withstand current I _{cw}	kA	0
Suitable for devices with N-conductor		No
Suitable for devices with auxiliary switch		Yes
Colour		Other