



Busbar 4 modules for PXS24 Electronic overcurrent protection for 24V DC

Part no. **PXS24-BB/80A/4TE**
 Catalog No. **PXS24BB00004**

Similar to illustration

Delivery program

Basic function			Automation engineering 24V
Number of channels			0
Protection			none
Rated current	I_n	A	80
Rated operating voltage	U_n	V	24

Technical data

Electrical

Operational voltage	U_B		24 DC (16 .. 30V DC)
---------------------	-------	--	----------------------

Mechanical

Mounting			can be snapped onto PXS24 modules
Ambient temperature		°C	-30 - +55
Permissible storage and transport temperatures		°C	-40 - +100

Design verification as per IEC/EN 61439

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 (ecI@ss10.0.1-27-37-13-06 [ACN992011])			
Number of phases			0
Number of poles			1
Suitable for number of devices			4
Pitch dimensions		mm	17.5
Cross section		mm ²	16
Length		mm	70
Number of modular spacings			4
Rated permanent current Iu		A	80
Type of electric connection			Other
Insulated			No
Rated surge voltage		kV	0
Conditioned rated short-circuit current Iq		kA	0
Max. rated operation voltage Ue		V	30
Rated short-time withstand current Icw		kA	0
Suitable for devices with N-busbar			No
Suitable for devices with auxiliary switch			Yes