DATASHEET - PXS24-BB/80A/8TE

Busbar 8 modules for PXS24 Electronic overcurrent protection for 24V DC

Part no. PXS24-BB/80A/8TE
Catalog No. PXS24BB00008

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 (ecl@ss10.0.1-27-37-13-06 [ACN992011])			
Number of phases			0
Number of poles			1
Suitable for number of devices			8
Pitch dimensions		mm	17.5
Cross section		mm^2	16
Length		mm	140
Number of modular spacings			8
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