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



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

Powei	ring Busir	ness W	'orldwide™

General specifications	
Product name	Eaton Moeller series xEffect - PXS24 phase busbar
Part no.	PXS24-BB/80A/8TE
EAN	9010238036451
Product Length/Depth	140 millimetre
Product height	11.5 millimetre
Product width	4 millimetre
Product weight	0.033 kilogram
Compliances	RoHS conform
Certifications	IEC 61373 EN45545-2
Product Tradename	xEffect - PXS24
Product Type	Accessories
Product Sub Type	Phase busbar
Delivery program	
Туре	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	8
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	100 0
10.2.2 Corrosion resistance	Most the product standard a remission and
	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 Resists 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.

provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear nobserved. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear nobserved.		
10.7 Internal electrical circuits and connections 1 Is the panel builder's responsibility. 10.8 Connections for external conductors 1 Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength 1 Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage 1 Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 1 Is the panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 1 Is the panel builder is responsibility. 1 Is the panel builder's responsibility. 1 Is the panel builder's responsibility. 1 Is the panel builder's responsibility. The specifications for the switchgear in observed. 1 Is the panel builder's responsibility. The specifications for the switchgear in observed. 1 Is the panel builder's responsibility. The specifications for the switchgear in observed. 1 Is the panel builder's responsibility. The specifications for the switchgear in observed. 1 Is the panel builder's responsibility. The specifications for the switchgear in observed. 1 Is the panel builder's responsibility. The specifications for the switchgear in observed. 1 Is the panel builder's responsibility. The specifications for the switchgear in observed. 1 Is the panel builder's responsibility. The specifications for the switchgear in observed. 2 Is the panel builder's responsibility. The specifications for the switchgear in observed. 3 Is the panel builder's responsibility. The specifications for the switchgear in observed. 4 Additional information Functions Automation engineering 24V None 8 devices	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Functions Protection Suitable for Is the panel builder's responsibility. Is the panel builder is responsibility. Is the panel builder is responsibility. The panel builder is responsibility. Is the panel builder is responsibility. The specifications for the switchgear in observed. Is the panel builder's responsibility. The specifications for the switchgear in observed. Additional information Functions Automation engineering 24V None 8 devices	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.9.6 The panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function Functions Protection Suitable for 10.16 sthe panel builder's responsibility. The specifications for the switchgear in observed. Additional information Suitable for 10.18 sthe panel builder's responsibility. The specifications for the switchgear in observed. Automation engineering 24V None 8 devices	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.15 Mechanical function 10.16 Temperature rise 10.17 Mechanical function 10.18 Mechanical function 10.19 Mechanical function 10.19 Mechanical function 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.15 Mechanical function 10.16 Mechanical function 10.17 Mechanical function 10.18 Mechanical function 10.19 Mechanical function 10.19 Mechanical function 10.10 Temperature rise calculation. Eaton provide heat dissipation data for the temperature rise calculation. Eaton provide heat dissipation data for the devices. 10.11 Short-circuit rating 10.12 Electromagnetic compatibility. The specifications for the switchgear nobserved. 10.12 Electromagnetic compatibility. The specifications for the switchgear nobserved. 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.15 Mechanical function 10.16 Mechanical function 10.16 Mechanical function 10.17 Mechanical function 10.18 Mechanical function 10.19 Mechanical function 10.19 Mechanical function 10.10 Mechanical function 10.10 Mechanical function 10.10 Mechanical function 10.10 Mechanical function 10.11 Mechanical function 10.12 Mechanical function 10.12 Mechanical function 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.15 Mechanical function 10.16 Mechanical function 10.16 Mechanical function 10.17 Mechanical function 10.18 Mechanical function 10.19 Mechanical function 10.19 Mechanical function 10.19 Mechanical function 10.10 Mechanical function 10.11 Mechanical function 10.11 Mechanical f	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder's responsible for the temperature rise calculation. Eaton provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear in observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear in 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 None Suitable for 8 devices	10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton provide heat dissipation data for the devices. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear nobserved. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear nobserved. 10.13 Mechanical function The device meets the requirements, provided the information in the instruct leaflet (IL) is observed. Additional information Functions Protection Automation engineering 24V None Suitable for 8 devices	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
provide heat dissipation data for the devices. 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Functions Protection Suitable for Provide heat dissipation data for the devices. Is the panel builder's responsibility. The specifications for the switchgear nobserved. Is the panel builder's responsibility. The specifications for the switchgear nobserved. The device meets the requirements, provided the information in the instruct leaflet (IL) is observed. Additional information Automation engineering 24V None 8 devices	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
observed. 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruct leaflet (IL) is observed. Additional information Functions Automation engineering 24V Protection Suitable for None 8 devices	10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. Additional information Functions Protection Suitable for None 8 devices	10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
Additional information Functions Protection Suitable for Ieaflet (IL) is observed. Automation engineering 24V None 8 devices	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
Functions Automation engineering 24V Protection None Suitable for 8 devices	10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Protection None Suitable for 8 devices	Additional information	
Suitable for 8 devices	Functions	Automation engineering 24V
	Protection	None
	Suitable for	
Suitable for number of devices 8	Suitable for number of devices	8

Technical data ETIM 9.0

iconnical data ETHI 5.5					
Low-voltage industrial components (EG000017) / Phase busbar (EC000215)					
Electric engineering, automation, process control engineering / Low-voltage switch to [ACN992016])	echnology / Componer	nt for low-voltage switching technology / Phase busbar (ecl@ss13-27-37-13-06			
Number of phases		0			
Number of poles		1			
Suitable for number of devices		8			
Module width	mm	17.5			
Cross section	mm²	16			
Length	mm	140			
Can be cut to size		No			
Width in number of modular spacings		8			
Rated permanent current lu	А	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 lcw	kA	0			
Suitable for devices with N-conductor		No			
Suitable for devices with auxiliary switch		Yes			
Colour		Other			