

Specifications



Photo is representative

Eaton PXS24BB00004

Eaton Moeller series xEffect - PXS24 Electronic Protection Module. Busbar 4 modules for PXS24 Electronic overcurrent protection for 24V DC

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - PXS24 phase busbar
CATALOG NUMBER	PXS24BB00004
EAN	9010238036444
UPC	786689167387
PRODUCT LENGTH/DEPTH	70 mm
PRODUCT HEIGHT	11.5 mm
PRODUCT WIDTH	4 mm
PRODUCT WEIGHT	0.017 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN45545-2 IEC 61373
MODEL CODE	PXS24-BB/80A/4TE



Powering Business Worldwide

Delivery program

TYPE	Automation engineering 24V
AMPERAGE RATING	80 A
NUMBER OF POLES	Single-pole
NUMBER OF PHASES	0

Technical data - mechanical

NUMBER OF MODULAR SPACINGS	4
COLOR	Other
MOUNTING METHOD	Can be snapped onto PXS24 modules
CROSS SECTION	16 mm ²
NUMBER OF CHANNELS	0
PITCH DIMENSIONS	17.5 mm

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

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	Is the panel builder's responsibility.

Additional information

FUNCTIONS	Automation engineering 24V
PROTECTION	None
SUITABLE FOR	4 devices Devices with auxiliary switch
SUITABLE FOR NUMBER OF DEVICES	4

INSULATING MATERIAL

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.

Resources

BROCHURES

[eaton-pxs24-success-story-cs011001en-en-us.pdf](#)

[eaton-pdd-railrolling-stock-brochure-br011002en-en-us.pdf](#)

CATALOGUES

[eaton-xeffect-industrial-switchgear-range-catalog-ca003002en-en-us.pdf](#)

DECLARATIONS OF CONFORMITY

[DA-DC-03_PXS24](#)

ECAD MODEL

[ETN.PXS24-BB_80A_4TE](#)

INSTALLATION INSTRUCTIONS

[MA150501504](#)

INSTALLATION VIDEOS

[PXS24 - Electronic protection module for 24 VDC | Product](#)

[PXS24 - Protect 24 VDC control circuits effectively](#)

[PXS24 - Electronic protection module for 24 VDC | Application](#)

MCAD MODEL

[eaton-psx24_bb-3d-model.stp](#)

[eaton-psx24_bb-drawing.dwg](#)

PRODUCT NOTIFICATIONS

[eaton-pxs24-plant-norm-en-us.pdf](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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