Specifications

Eaton PXS24BB00012



Catalog Number: PXS24BB00012

Eaton Moeller series xEffect - PXS24 Electronic Protection Module. Busbar 12modules for PXS24 Electronic overcurrent protection for 24V DC

General specifications

Product Name
Eaton Moeller series xEffect - PXS24 phase busbar

Catalog Number
PXS24BB00012

EAN
9010238036468

UPC
786689167400

Product Length/Depth
210 mm

Product Height
11.5 mm

Product Width
4 mm

Product Weight
0.049 kg

Compliances
RoHS conform

Certifications
EN45545-2
IEC 61373

Powering Business Worldwide

Product specifications

Type

Automation engineering 24V

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.

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.

Resources

Brochures

eaton-pxs24-success-story-cs011001en-en-us.pdf

eaton-pdd-railrolling-stock-brochure-br011002en-en-us.pdf

Catalogs

eaton-xeffect-industrial-switchgear-range-catalog-ca003002en-en-us.pdf

Declarations of conformity

DA-DC-03_PXS24

eCAD model

ETN.PXS24-BB_80A_12TE

Installation instructions

MA150501504

Installation videos

PXS24 - Protect 24 VDC control circuits effectively

PXS24 - Electronic protection module for 24 VDC | Product

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

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.

Electric connection type

Other

Rated surge voltage

0 KV

Rated uninterrupted current (Iu)

80 A

Suitable for number of devices

12

Ambient operating temperature details

-30 °C - 55 °C

Protection

None

Number of poles

Single-pole

Permitted storage and transport temperature - min

-40 °C

Color

Other

Rated short-time withstand current (Icw)

0 kA

Number of channels

0

Voltage rating

24 V DC (15 V DC - 30 V DC)

Cross section

16 mm²

Number of modular spacings

12

Number of phases

0

Permitted storage and transport temperature - max

100 °C

Pitch dimensions

17.5 mm

Rated operational voltage (Ue) - max

30 V

Amperage rating

80 A

Rated conditional short-circuit current (Iq)

0 kA

Functions

Automation engineering 24V

Mounting method

Can be snapped onto PXS24 modules

Suitable for

Devices with auxiliary switch

12 devices



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