Specifications

Eaton PXS24ACC0000

Eaton Moeller series xEffect - PXS24 Electronic Protection Module. Placeholder for PXS24 series with no electrical function

General specifications	
PRODUCT NAME	Eaton Moeller series xEffect - PXS24 current monitoring relay
CATALOG NUMBER	PXS24ACC0000
EAN	9010238011397
UPC	786689167424
PRODUCT LENGTH/DEPTH	127 mm
PRODUCT HEIGHT	93 mm
PRODUCT WIDTH	18 mm
PRODUCT WEIGHT	0.118 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN45545-2 IEC 61373
MODEL CODE	PXS24-PCH

Delivery program

TYPE	Automation engineering 24V

Technical data - electrical

VOLTAGE TYPE	DC
VOLTAGE RATING	24 VDC (15 VDC - 30 VDC)
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	15 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	30 V
CURRENT MEASUREMENT - MIN	0 A
CURRENT MEASUREMENT - MAX	0 A
ELECTRIC CONNECTION TYPE	Plug-in connection
ADJUSTABLE DELAY-ON ENERGIZATION TIME - MIN	0 s
PERMITTED DELAY-ON ENERGIZATION TIME - MAX	0 s
ADJUSTABLE OFF-DELAY TIME - MIN	0 s
PERMITTED OFF-DELAY TIME - MAX	0 s

Technical data - mechanical

MOUNTING METHOD	Snap-fit on DIN rail (EN 60715)
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
BUSBAR TYPE	LINE (+) and GND (-); max 60A in various lengths of up to 1m
TERMINAL CAPACITY	2.5 mm^2 (flexible with ferrules) 4 mm^2 (rigid)

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	DC-voltage over current
PROTECTION	None
TEXT FIELD TYPE	17.5 mm x 6 mm

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-PCH
INSTALLATION INSTRUCTIONS	MA150501504
INSTALLATION VIDEOS	PXS24 - Electronic protection module for 24 VDC | Application PXS24 - Protect 24 VDC control circuits effectively PXS24 - Electronic protection module for 24 VDC | Product
MCAD MODEL	eaton-psx24_pch-drawing.dwg eaton-psx24_pch-3d-model.stp
PRODUCT NOTIFICATIONS	eaton-pxs24-plant-norm-en-us.pdf

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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