

Eaton PXS24S04A001

Eaton Moeller series xEffect - PXS24
Electronic Protection Module. Electronic
overcurrent protection for 24V DC, fix 4A
with tripped signal out-, control in-put and
supply terminals

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - PXS24 current monitoring relay
CATALOG NUMBER	PXS24S04A001
EAN	9010238010765
UPC	786689167615
PRODUCT LENGTH/DEPTH	127 mm
PRODUCT HEIGHT	93 mm
PRODUCT WIDTH	18 mm
PRODUCT WEIGHT	0.118 kg
COMPLIANCES	UL508 CE RoHS conform
CERTIFICATIONS	EN45545-2 IEC 61373
MODEL CODE	PXS24S-e4/F/ORT-IT

Delivery program

TYPE	Automation engineering 24V
AMPERAGE RATING	4 A

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
RATED OPERATIONAL CURRENT (IE) FIX	4 A
CURRENT MEASUREMENT - MIN	0 A
CURRENT MEASUREMENT - MAX	5.2 A
OVERLOAD CURRENT AND SHORT-CIRCUIT CURRENT TRIP	Type 1.3 x IN with active current limitation
ELECTRIC CONNECTION TYPE	Plug-in connection
CAPACITIVE LOAD	Up to 20,000 µ F

Technical Data - Mechanical

MOUNTING METHOD	Snap-fit on DIN rail (EN 60715)
DEGREE OF PROTECTION	IP20
NUMBER OF CHANNELS	1
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
OUTPUT TERMINALS	3x LOAD (+) and 3x GND (-)
TERMINAL TYPE	Push in terminals
TERMINAL CAPACITY	4 mm ² (rigid) 2.5 mm ² (flexible with ferrules)
TERMINAL CAPACITY (INPUT)	3x LINE (+) and 3x GND (-)

Design verification as per IEC/EN 61439 - technical data

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	4 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	0.6 W
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 INSULATING MATERIAL	Is the panel builder's responsibility.
10.10 TEMPERATURE RISE	The panel builder is responsible for the

Additional information

FEATURES	OFF = Channel not in operation Green = OK; Red = Triggered Two-colored
FUNCTIONS	DC-voltage over current
PROTECTION	Electronic
SPECIAL FEATURES	- Inductive loads: up to 13 A - On/Off/Reset
TEXT FIELD TYPE	17.5 mm x 6 mm

	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.

Zdroje

DECLARATIONS OF CONFORMITY	eaton-current-monitoring-relay-declaration-of-conformity-eu250223en.pdf
ECAD MODEL	ETN.PXS24S-e4_FORT-IT
INSTALAČNÍ NÁVODY	IL019188ZU_MA150501504
MCAD MODEL	pxs24s_pxs24s.stp

NÁZEV PROJEKTU:

ČÍSLO PROJEKTU:

PŘIPRAVIL:

DATUM:



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