Eaton PXS24S02A002

Eaton Moeller series xEffect - PXS24 Electronic Protection Module. Electronic overcurrent protection for 24V DC, fix 2A with tripped signal out-, control in-put, w/o supply terminals

PRODUCT NAME	Eaton Moeller series xEffect - PXS24 current monitoring relay
CATALOG NUMBER	PXS24S02A002
UPC	786689167530
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

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FEATURES	Two-colored OFF = Channel not in operation Green = OK; Red = Triggered
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	Does not apply, since the

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MCAD MODEL	pxs24s.stp
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PROTECTION OF ASSEMBLIES	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.
ELECTRIC CONNECTION TYPE	Plug-in connection
SPECIAL FEATURES	• Inductive loads: up to 13 A • On/Off/Reset
TYPE	Automation engineering 24V
AMPERAGE RATING	2 A
VOLTAGE RATING	24 VDC (15 VDC - 30 VDC)
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	0.4 W
MOUNTING METHOD	Snap-fit on DIN rail (EN 60715)
DEGREE OF PROTECTION	IP20
VOLTAGE TYPE	DC
BUSBAR TYPE	LINE (+) and GND (-); max 60A in various lengths of up to 1m
NUMBER OF CHANNELS	1
TERMINAL TYPE	Push in terminals
TEXT FIELD TYPE	17.5 mm x 6 mm
ADJUSTABLE DELAY-ON ENERGIZATION TIME - MIN	0 s
ADJUSTABLE OFF-DELAY	0 s

TIME - MIN	
CURRENT MEASUREMENT - MAX	2.6 A
CURRENT MEASUREMENT - MIN	0 A
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
PERMITTED DELAY-ON ENERGIZATION TIME - MAX	0 s
PERMITTED OFF-DELAY TIME - MAX	0 s
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MAX	100 °C
PERMITTED STORAGE AND TRANSPORT TEMPERATURE - MIN	-40 °C
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	30 V
FUNCTIONS	DC-voltage over current
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	15 V
RATED OPERATIONAL CURRENT (IE) FIX	2 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	2 A
TRIP TIME FOR ELECTRONIC TRIP	470 ms

AMBIENT OPERATING TEMPERATURE DETAILS	-30° C - 55° C
PROTECTION	Electronic
CAPACITIVE LOAD	Up to 20,000 µ F
OUTPUT TERMINALS	3x LOAD (+) and 3x GND (-)
OVERLOAD CURRENT AND SHORT-CIRCUIT CURRENT TRIP	Type 1.3 x IN with active current limitation
TERMINAL CAPACITY	2.5 mm² (flexible with ferrules) 4 mm² (rigid)
TYPE OF CURRENT	DC
VOLTAGE TYPE OF SUPPLY VOLTAGE	DC
VOLTAGE TYPE OF OPERATING VOLTAGE	DC
RATED SWITCH CURRENT	2 A
SUPPLY VOLTAGE AT DC - MIN	15 V
SUPPLY VOLTAGE AT DC - MAX	30 V
OPERATING VOLTAGE AT DC - MIN	15 V
OPERATING VOLTAGE AT DC - MAX	30 V

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