

Eaton PXS24S13A002

Eaton Moeller series xEffect - PXS24 Electronic Protection Module. Electronic overcurrent protection for 24V DC, fix 13A with tripped signal out-, control in-put, w/o supply terminals

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| PRODUCT NAME | Eaton Moeller series xEffect - PXS24 current monitoring relay |
| CATALOG NUMBER | PXS24S13A002 |
| UPC | 786689167585 |
| 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 |



| FEATURES | OFF = Channel not in operation Green = OK; Red = Triggered Two-colored |
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| 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 |
| 0000 | eaton-pxs24-success- story-cs011001en-en- us.pdf |

| PROTECTION OF ASSEMBLIES 10.4 CLEARANCES AND CREEPAGE DISTANCES 10.5 PROTECTION AGAINST ELECTRIC SHOCK 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS 10.7 INTERNAL ELECTRICAL CITICAL CITICAL CONNECTIONS 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH 10.9.3 IMPULSE WITHSTAND VOLTAGE 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL ELECTRIC CONNECTIONS 10.9.5 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL ELECTRIC CONNECTION TYPE 20.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL ELECTRIC CONNECTION TYPE 21.9.5 TENEDAME 22.1 W AMPERAGE RATING 24 VDC (15 VDC - 30 VDC) EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT MOUNTING METHOD DEGREE OF PROTECTION IP20 VOLTAGE TYPE DC | | |
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| TIME - MIN | |
|---|-------------------------|
| CURRENT MEASUREMENT - MAX | 16.9 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 | 13 A |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 13 A |
| TRIP TIME FOR ELECTRONIC TRIP | 80 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 | 4 mm² (rigid) 2.5 mm² (flexible with ferrules) |
| TYPE OF CURRENT | DC |
| VOLTAGE TYPE OF SUPPLY VOLTAGE | DC |
| VOLTAGE TYPE OF OPERATING VOLTAGE | DC |
| RATED SWITCH CURRENT | 13 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 |
| | |

| PROJECT NAME: | |
|-----------------|--|
| PROJECT NUMBER: | |
| PREPARED BY: | |
| 00: | |



Eaton House 30 Pembroke Road Dublin 4, □□□ Eaton.com

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