

Specifications

Eaton 231269

Eaton Moeller® series M22 AS-Interface module, 2I, 1Q, screw connection



General specifications

PRODUCT NAME	Eaton Moeller® series M22 AS-interface connection
CATALOG NUMBER	231269
MODEL CODE	M22-ASI
EAN	4015082312695
PRODUCT LENGTH/DEPTH	40 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	40 mm
PRODUCT WEIGHT	0.023 kg
CERTIFICATIONS	UL File No.: E29184 CE CSA CSA-C22.2 No. 14-05 DIN EN 50295 UL UL 508 IEC/EN 60947 CSA Class No.: 3211-03 CSA File No.: 012528 UL Category Control No.: NKCR IEC/EN 60947-5 CSA-C22.2 No. 94-91

Actuator

BEZEL COLOR	Titanium
FITTED WITH:	AS-Interface connector as insulation piercing terminal

Communication

CONNECTION TO SMARTWIRE-DT	No
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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Design verification

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.
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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	1.3 W

Electrical rating

NO-LOAD CURRENT	30 A
OUTPUT VOLTAGE	24 V DC (-15/+10 %)
POWER CONSUMPTION	40 mA
RATED OPERATIONAL VOLTAGE	26.5 - 31.6 V DC (AS-Interface specification)

General information

DEGREE OF PROTECTION	IP20
INPUT	2 Inputs (22 V/5 mA, protected against short-circuit) Inputs for 2 contact elements (M22-K01 (N/C), M22-K10 (N/O))
MOUNTING POSITION	As required
OUTPUT	1 (normally 19 V/8 mA) Output, protected against short-circuit Output for 1 LED element: M22-LED-...
PRODUCT CATEGORY	Accessories

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
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DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251080en.pdf eaton-accessory-declaration-of-conformity-eu251565en.pdf
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DRAWINGS	eaton-electronics-housing-m22-accessory-dimensions.eps eaton-electronics-mounting-m22-accessory-3d-drawing.eps
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ECAD MODEL	ETN.M22-ASI
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INSTALLATION INSTRUCTIONS	IL04716018Z
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PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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