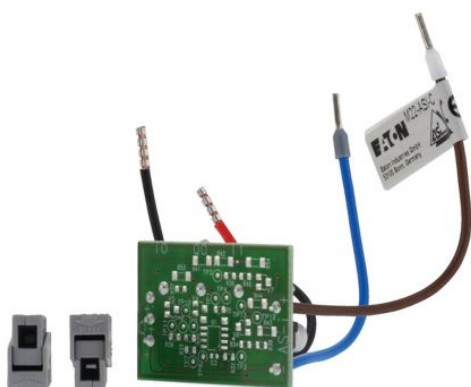


# Specifications



## Eaton 231271

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

### General specifications

|                             |                                                                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 AS-interface connection                                                                                                                                                                                   |
| <b>CATALOG NUMBER</b>       | 231271                                                                                                                                                                                                                              |
| <b>MODEL CODE</b>           | M22-ASI-C                                                                                                                                                                                                                           |
| <b>EAN</b>                  | 4015082312718                                                                                                                                                                                                                       |
| <b>PRODUCT LENGTH/DEPTH</b> | 40 mm                                                                                                                                                                                                                               |
| <b>PRODUCT HEIGHT</b>       | 30 mm                                                                                                                                                                                                                               |
| <b>PRODUCT WIDTH</b>        | 40 mm                                                                                                                                                                                                                               |
| <b>PRODUCT WEIGHT</b>       | 0.017 kg                                                                                                                                                                                                                            |
| <b>CERTIFICATIONS</b>       | CSA-C22.2 No. 94-91<br>DIN EN 50295<br>IEC/EN 60947<br>UL File No.: E29184<br>CSA Class No.: 3211-03<br>UL<br>IEC/EN 60947-5<br>UL Category Control No.: NKCR<br>CSA File No.: 012528<br>UL 508<br>CSA-C22.2 No. 14-05<br>CSA<br>CE |



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## Actuator

|             |          |
|-------------|----------|
| BEZEL COLOR | Titanium |
|-------------|----------|

## Communication

|                               |    |
|-------------------------------|----|
| CONNECTION TO<br>SMARTWIRE-DT | No |
|-------------------------------|----|

## Climatic environmental conditions

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

## 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.                                                               |

|                                                                      |                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>10.2.6 MECHANICAL IMPACT</b>                                      | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.2.7 INSCRIPTIONS</b>                                           | Meets the product standard's requirements.                         |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                       | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                        | Meets the product standard's requirements.                         |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                        | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>        | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>             | Is the panel builder's responsibility.                             |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                      | Is the panel builder's responsibility.                             |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                      | Is the panel builder's responsibility.                             |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                              | Is the panel builder's responsibility.                             |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>      | Is the panel builder's responsibility.                             |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>            | 0 W                                                                |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                               | 0 W                                                                |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>             | 0 W                                                                |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                                                |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 1.3 W                                                              |

## Electrical rating

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

## General information

|                             |                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------|
| <b>DEGREE OF PROTECTION</b> | IP00                                                                                                       |
| <b>INPUT</b>                | 2 Inputs (22 V/5 mA, protected against short-circuit)<br>Inputs for 2 contacts                             |
| <b>MOUNTING POSITION</b>    | As required                                                                                                |
| <b>OUTPUT</b>               | 1 (normally 19 V/8 mA)<br>Output, protected against short-circuit<br>Output for 1 LED element: M22-LED-... |
| <b>PRODUCT CATEGORY</b>     | Accessories                                                                                                |

## Resources

|                           |                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUES                | <a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>                                      |
| DRAWINGS                  | <a href="#">eaton-electronics-adapter-m22-accessory-dimensions.eps</a><br><a href="#">eaton-electronics-base-m22-accessory-3d-drawing.eps</a> |
| ECAD MODEL                | <a href="#">DA-CE-ETN.M22-ASI-C</a>                                                                                                           |
| INSTALLATION INSTRUCTIONS | <a href="#">IL04716018Z</a>                                                                                                                   |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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