

# Specifications



## Eaton 229162

Eaton Moeller® series M22 Connecting screw, M20

### General specifications

|                             |                                            |
|-----------------------------|--------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 connection screw |
| <b>CATALOG NUMBER</b>       | 229162                                     |
| <b>MODEL CODE</b>           | M22-XI                                     |
| <b>EAN</b>                  | 4015082291624                              |
| <b>PRODUCT LENGTH/DEPTH</b> | 30 mm                                      |
| <b>PRODUCT HEIGHT</b>       | 22 mm                                      |
| <b>PRODUCT WIDTH</b>        | 30 mm                                      |
| <b>PRODUCT WEIGHT</b>       | 0.005 kg                                   |
| <b>CERTIFICATIONS</b>       | UL/CSA certification not required          |
| <b>CATALOG NOTES</b>        | Mounting by M20 cable entry from the side  |



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## Actuator

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| <b>FUNCTIONS</b> | For connecting any M22-I(Y)1 to M22-I6 surface mounting enclosure |
|------------------|-------------------------------------------------------------------|

## Communication

|                                   |    |
|-----------------------------------|----|
| <b>CONNECTION TO SMARTWIRE-DT</b> | No |
|-----------------------------------|----|

## Climatic environmental conditions

|                                            |        |
|--------------------------------------------|--------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b> | 70 °C  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b> | -25 °C |

## Design verification

|                                                                                         |                                                                                                          |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | Not applicable.                                                                                          |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                               |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                               |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                               |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                               |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Please enquire                                                                                           |
| <b>10.2.5 LIFTING</b>                                                                   | 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>            | 0 W                                                                |

## General information

**ACCESSORY/SPARE PART TYPE** Spare part

**DEGREE OF PROTECTION** IP67

## Resources

CATALOGUES [eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

DRAWINGS [eaton-operating-enclosure-m22-m20-connecting-screw-dimensions.eps](#)

INSTALLATION INSTRUCTIONS [IL04716003Z](#)

MCAD MODEL

[eaton-pushbu-switch-renewal-parts-acc-mcad-3d-models-m22-xi.stp](#)

[eaton-pushbu-switch-renewal-parts-acc-mcad-drawings-m22-xi.dwg](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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