# Specifications




**Photo is representative**

## Eaton 216579

Eaton Moeller® series M22 LED element, red, base fixing, cage clamp M22-CLEDC230-R

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton Moeller® series M22 LED element |
| **CATALOG NUMBER** | 216579 |
| **MODEL CODE** | M22-CLEDC230-R |
| **EAN** | 4015082165796 |
| **PRODUCT LENGTH/DEPTH** | 39 mm |
| **PRODUCT HEIGHT** | 39 mm |
| **PRODUCT WIDTH** | 10 mm |
| **PRODUCT WEIGHT** | 0.01 kg |
| **COMPLIANCES** | CE Marked |
| **CERTIFICATIONS** | CSA Std. C22.2 No. 94-91<br>UL 508<br>CSA Std. C22.2 No. 14-05<br>IEC 60947-5<br>EN 60947-5<br>VDE<br>IEC 60947-5-1<br>CE<br>CSA-C22.2 No. 94-91<br>UL Category Control No.: NKCR<br>CSA File No.: 012528<br>UL<br>CSA<br>IEC/EN 60947-5<br>CSA-C22.2 No. 14-05<br>UL File No.: E29184<br>CSA Class No.: 3211-03 |
| **CATALOG NOTES** | Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany |

## Climatic environmental conditions

| | |
|---|---|
| **AMBIENT OPERATING TEMPERATURE - MAX** | 70 °C |
| **AMBIENT STORAGE TEMPERATURE - MAX** | 80 °C |
| **AMBIENT OPERATING TEMPERATURE - MIN** | -25 °C |
| **AMBIENT STORAGE TEMPERATURE - MIN** | 40 °C |
| **CLIMATIC PROOFING** | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |

## Communication

| | |
|---|---|
| **CONNECTION TO SMARTWIRE-DT** | No |

## Contacts

| | |
|---|---|
| **FORCE FOR POSITIVE OPENING - MIN** | 0 N |

## 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** | Does not apply, since the |

| | |
|---|---|
| **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. |
| **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 W |

## Electrical rating

| | |
|---|---|
| **POWER CONSUMPTION** | Max. 0.33 W |
| **RATED INSULATION VOLTAGE (UI)** | 500 V |
| **RATED OPERATIONAL CURRENT (IE) - MAX** | 15 mA |
| **RATED OPERATIONAL CURRENT (IE) - MIN** | 5 mA |
| **RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX** | 264 V |
| **RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN** | 85 V |

## Features & functions

| | |
|---|---|
| **FITTED WITH:** | Diode<br>Light source |
| **LIGHT COLOR** | Red |

## General information

| | |
|---|---|
| **DEGREE OF PROTECTION** | IP20 |
| **LIFESPAN, ELECTRICAL** | 100,000 h (at 25°C, according to EN60064) |
| **OPERATING TORQUE** | 0.8 Nm |
| **OVERVOLTAGE CATEGORY** | III |
| **POLLUTION DEGREE** | 3 |
| **RATED IMPULSE WITHSTAND VOLTAGE (UIMP)** | 6000 V AC |
| **VOLTAGE TYPE** | AC |

## LED Details

| | |
|---|---|
| **LIGHT COLOR** | Red |

## Mounting details

| | |
|---|---|
| **CONNECTION TYPE** | Base fixing |
| **MOUNTING POSITION** | As required |

## Terminal capacities

| | |
|---|---|
| **TERMINAL CAPACITY (SOLID)** | 0.75 - 2.5 mm² |
| **TERMINAL CAPACITY (STRANDED)** | 0.5 - 2.5 mm² |

## Resources

| | |
|---|---|
| **CATALOGUES** | eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf |
| **DECLARATIONS OF CONFORMITY** | eaton-accessory-declaration-of-conformity-uk260009en.pdf<br><br>eaton-accessory-declaration-of-conformity-eu251542en.pdf |
| **DRAWINGS** | eaton-operating-button-symbol-006.eps<br><br>eaton-operating-led-m22-led-element-standards.eps |
| **ECAD MODEL** | ETN.216579.edz |
| **INSTALLATION INSTRUCTIONS** | IL047160002Z |
| **MCAD MODEL** | eaton-lampblock-mcad-drawings-led-element-cage-boden.dwg<br><br>DA-CS-led_element_cage_boden |
| **PEP ECO-PASSPORT** | eaton-operating-devices-rmq-titan-m22-il047018zu.pdf<br><br>eaton-lamp-holder-blocks-pep-eato-00308-v0101-en.pdf |

| | |
|---|---|
| **PROJECT NAME:** | |
| **PROJECT NUMBER:** | |
| **PREPARED BY:** | |
| **DATE:** | |

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

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.