# Specifications



**Photo is representative**

## Eaton 216540

Eaton Moeller® series M22 Surface mounting enclosure, 6 mounting locations

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton Moeller® series M22 surface mounting enclosure |
| **CATALOG NUMBER** | 216540 |
| **MODEL CODE** | M22-I6 |
| **EAN** | 4015082165406 |
| **PRODUCT LENGTH/DEPTH** | 80 mm |
| **PRODUCT HEIGHT** | 56 mm |
| **PRODUCT WIDTH** | 252 mm |
| **PRODUCT WEIGHT** | 0.362 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>CSA File No.: 012528<br>CSA Class No.: 3211-03<br>UL<br>UL Category Control No.: NKCR<br>IEC/EN 60947-5<br>CE<br>CSA-C22.2 No. 14-05<br>CSA-C22.2 No. 94-91<br>CSA<br>UL File No.: E29184 |

## Climatic environmental conditions

| | |
|---|---|
| **AMBIENT OPERATING TEMPERATURE - MAX** | 70 °C |
| **AMBIENT OPERATING TEMPERATURE - MIN** | -25 °C |

## Contacts

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

## Communication

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

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

| | |
|---|---|
| **SWITCHING DEVICES AND COMPONENTS** | 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. |

## Enclosure details

| | |
|---|---|
| **ENCLOSURE COLOR** | Gray |
| **ENCLOSURE MATERIAL** | Plastic |
| **ENCLOSURE TYPE** | Surface mounting housing |

## Features & functions

| | |
|---|---|
| **COLOR** | Gray |
| **FITTED WITH:** | High-grade steel screws |
| **KNOCKOUTS** | 2 x M20/25 (cable entry knockout at the side, 1 x each side)<br>2 x M20 (cable entry knockouts at the top)<br>2 x M20 (cable entry knockouts at the rear) |
| **NUMBER OF COMMAND POSITIONS** | 6 |
| **NUMBER OF LOCATIONS** | 6 |
| **RAL-NUMBER** | 7035 |

## General information

| | |
|---|---|
| **ACCESSORIES** | High-grade steel screws |
| **DEGREE OF PROTECTION** | IP66<br>NEMA 3R |
| **OPENING DIAMETER** | 22.5 mm |

## Resources

| | |
|---|---|
| **CATALOGUES** | eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf |
| **DRAWINGS** | eaton-operating-surface-mounting-m22-accessory-dimensions-006.eps<br><br>eaton-operating-surface-mounting-m22-accessory-3d-drawing-006.eps<br><br>eaton-operating-button-symbol-007.eps<br><br>eaton-general-totally-insulated-t0-main-switch-symbol.eps |
| **ECAD MODEL** | ETN.216540.edz |
| **INSTALLATION INSTRUCTIONS** | IL047160003Z |
| **MCAD MODEL** | eaton-aufbaugehaeuse-gr6-3d-model.stp |

| | |
|---|---|
| | eaton-pushbutton-control-stations-mcad-3d-models-m22-i6.stp |
| **PEP ECO-PASSPORT** | eaton-pushbutton-control-stations-pep-eato-00299-v0101-en.pdf |

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

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

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

© 2026 Eaton. All Rights Reserved.