

Specifications



Eaton 216602

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, momentary, Without button plate, Bezel: titanium

General specifications

| | |
|-----------------------------|---|
| PRODUCT NAME | Eaton Moeller® series M22 Pushbutton |
| CATALOG NUMBER | 216602 |
| MODEL CODE | M22-D-X |
| EAN | 4015082166021 |
| PRODUCT LENGTH/DEPTH | 30 mm |
| PRODUCT HEIGHT | 30 mm |
| PRODUCT WIDTH | 30 mm |
| PRODUCT WEIGHT | 0.009 kg |
| COMPLIANCES | CE Marked |
| CERTIFICATIONS | IEC 60947-5 CSA Std. C22.2 No. 14-05 EN 60947-5 CSA Std. C22.2 No. 94-91 UL 508 VDE CSA-C22.2 No. 94-91 UL File No.: E29184 CSA File No.: 012528 CSA IEC/EN 60947 CSA Class No.: 3211-03 IEC/EN 60947-5 CE CSA-C22.2 No. 14-05 UL UL Category Control No.: NKCR VDE 0660 DNV GL LR |
| GLOBAL CATALOG | 216602 |



Powering Business Worldwide

Product specifications

| | |
|---|--|
| TYPE | Pushbutton actuator |
| ACTUATOR COLOR | Other |
| ACTUATOR FUNCTION | Spring-return Momentary |
| 10.10 TEMPERATURE RISE | Not applicable. |
| 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 | Does not apply, since the |

Resources

| | |
|----------------------------|--|
| | eaton-rmq-titan-brochure-br047004en-en-us.pdf |
| CATALOGS | eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf Flip catalog - Product Range Catalog - Command and indication |
| DECLARATIONS OF CONFORMITY | eaton-pushbutton-declaration-of-conformity-uk251340en.pdf eaton-pushbutton-declaration-of-conformity-eu250858en.pdf eaton-pushbutton-declaration-of-conformity-uk251341en.pdf eaton-pushbutton-declaration-of-conformity-eu250857en.pdf |
| | eaton-operating-actuation-m22-dimensions-002.eps eaton-operating-pushbutton-m22-dimensions-003.eps eaton-operating-pushbutton-m22-dimensions-004.eps |
| DRAWINGS | eaton-general-m22-standards.eps eaton-general-m22-symbol.eps eaton-general-approval-m22-symbol.eps eaton-operating-samrtwire-m22-3d-drawing.eps |
| ECAD MODEL | ETN.216602.edz |
| FLYERS | eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf |
| INSTALLATION INSTRUCTIONS | eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf IL04716002Z |
| INSTALLATION VIDEOS | RMQ Flat Design |
| MCAD MODEL | DA-CS-drucktaste_ohne_tastenplatte |

| | |
|---|--|
| AGAINST ELECTRIC SHOCK | 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. |
| FITTED WITH: | Front ring |
| OPERATING FREQUENCY | 3600 Operations/h |
| BUTTON COLOR | Not applicable |
| CLIMATIC PROOFING | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| CONNECTION TO SMARTWIRE-DT | With SWD-RMQ connections Yes |
| ACTUATING FORCE | 5 N |
| AMBIENT OPERATING TEMPERATURE - MAX | 70 °C |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| AMBIENT STORAGE TEMPERATURE - MAX | 80 °C |
| AMBIENT STORAGE TEMPERATURE - MIN | 40 °C |
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID | 0 W |
| FORCE FOR POSITIVE OPENING - MIN | 0 N |
| HEAT DISSIPATION CAPACITY PDISS | 0 W |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID | 0 W |
| NUMBER OF COMMAND POSITIONS | 1 |
| OPENING DIAMETER | 22.5 mm |

| | |
|-------------|--|
| | DA-CD-drucktaste_ohne_tastenplatte |
| | MCI Multicolor Light Indicator M22 with SmartWire-DT |
| | easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator |
| MULTIMEDIA | RMQ small E-Stop emergency-stop button |
| | MCI MultiColor Light Indicator RMQ compact solution |
| | eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf |
| | eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf |
| SALES NOTES | eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf |
| | eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf |

| | |
|--|--|
| OPENING HEIGHT | 0 mm |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 0 A |
| BEZEL COLOR | Titanium |
| SHOCK RESISTANCE | 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 |
| BEZEL MATERIAL | Plastic |
| DESIGN | Classical |
| MOUNTING POSITION | As required |
| DEGREE OF PROTECTION | NEMA 12 IP66 NEMA 3R NEMA 4X IP67 IP69K NEMA 13 |
| DEGREE OF PROTECTION (FRONT SIDE) | IP67/IP69K NEMA 4X |
| FRONT ELEMENT TYPE | Flat |
| LENS TYPE | Round |
| LIFESPAN, MECHANICAL | 5,000,000 Operations |
| STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS | 0 W |
| WIDTH OPENING | 0 mm |
| PRODUCT CATEGORY | RMQ-Titan |
| SIZE | Front dimensions: 22 x 22 mm |

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.

