

# Specifications



## Eaton 216879

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Key-release, Red, yellow, RAL 3000, Not suitable for master key systems

### General specifications

|                             |  |
|-----------------------------|--|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton  |
| <b>CATALOG NUMBER</b>       | 216879   |
| <b>MODEL CODE</b>           | M22-PVS  |
| <b>EAN</b>                  | 4015082168797  |
| <b>PRODUCT LENGTH/DEPTH</b> | 93 mm  |
| <b>PRODUCT HEIGHT</b>       | 38 mm  |
| <b>PRODUCT WIDTH</b>        | 38 mm  |
| <b>PRODUCT WEIGHT</b>       | 0.06 kg  |
| <b>COMPLIANCES</b>          | CE Marked  |
| <b>CERTIFICATIONS</b>       | EN 60947-5<br>IEC 60947-5<br>CSA Std. C22.2 No. 94-91<br>CSA Std. C22.2 No. 14-05<br>UL 508<br>VDE<br>CSA File No.: 012528<br>CSA-C22.2 No. 94-91<br>VDE 0660<br>UL<br>CE<br>IEC/EN 60947<br>UL File No.: E29184<br>CSA Class No.: 3211-03<br>IEC/EN 60947-5<br>UL Category Control No.: NKCR<br>CSA<br>CSA-C22.2 No. 14-05<br>DNV<br>GL<br>LR |
| <b>CATALOG NOTES</b>        | Max. number of contacts:   |



Powering Business Worldwide

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four M22-(C)K01, ...10 or  
two M22-(C)K02, ...20, ...11

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**GLOBAL CATALOG**

216879

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## Product specifications

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| <b>TYPE</b>   | Controlled stop pushbutton/emergency-stop button   |
| <b>ACCESSORIES</b>  | 1 key included with supplied equipment.  |
| <b>ACTUATOR COLOR</b>   | Red  |
| <b>FEATURES</b>   | Tamper-proof (according to ISO 13850, EN 418)  |
| <b>ACTUATOR FUNCTION</b>  | Key-release<br>Switching function latching   |
| <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.   |

## Resources

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|----------------------------|--|
|                            | <a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-rmq-titan-brochure-br047004en-en-us.pdf">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a>   |
| CATALOGS                   | <a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a><br><br><a href="#">Flip catalog - Product Range Catalog - Command and indication</a>  |
| CERTIFICATION REPORTS      | <a href="#">000Z425</a><br><br><a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251132en.pdf">eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251132en.pdf</a>  |
| DECLARATIONS OF CONFORMITY | <a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu250649en.pdf">eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu250649en.pdf</a>   |
| DRAWINGS                   | <a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-operating-emergency-m22-dimensions-002.eps">eaton-operating-emergency-m22-dimensions-002.eps</a><br><a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-general-m22-standards.eps">eaton-general-m22-standards.eps</a><br><a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-operating-button-symbol.eps">eaton-operating-button-symbol.eps</a><br><a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-operating-mounting-m22-3d-drawing.eps">eaton-operating-mounting-m22-3d-drawing.eps</a><br><a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-general-approval-m22-symbol.eps">eaton-general-approval-m22-symbol.eps</a><br><a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-operating-button-symbol-006.eps">eaton-operating-button-symbol-006.eps</a><br><a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-general-m22-symbol.eps">eaton-general-m22-symbol.eps</a> |
| ECAD MODEL                 | <a href="#">ETN.216879.edz</a>   |
| FLYERS                     | <a href="https://www.eaton.com/content/dam/eaton/products/machine-tools/actuators/actuators-brochures/eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>   |
| INSTALLATION INSTRUCTIONS  | <a href="#">IL04716005Z.pdf</a><br><a href="#">IL04716002Z</a>   |
| INSTALLATION VIDEOS        | <a href="#">RMQ Flat Design</a>  |
| MCAD MODEL                 | <a href="#">DA-CD-not_aus_ms</a><br><a href="#">DA-CS-not_aus_ms</a>   |

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| <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>OPERATING FREQUENCY</b>                                      | 600 Operations/h   |
| <b>BUTTON COLOR</b>   | Red  |
| <b>CLIMATIC PROOFING</b>  | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |
| <b>CONNECTION TO SMARTWIRE-DT</b>                               | No   |
| <b>BASE COLOR</b>   | Yellow   |
| <b>ACTUATING FORCE</b>  | 50 N   |
| <b>ACTUATOR DIAMETER</b>  | 38 mm  |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 70 °C  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                      | -25 °C   |
| <b>DIAMETER CAP</b>   | 38 mm  |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>       | 0 W  |
| <b>FORCE FOR POSITIVE OPENING - MIN</b>                         | 0 N  |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                          | 0 W  |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>        | 0 W  |

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

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| <b>OPENING DIAMETER</b>  | 22.5 mm  |
| <b>OPENING HEIGHT</b>  | 0 mm   |
| <b>RAL-NUMBER</b>  | 3000   |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A  |
| <b>ILLUMINATION</b>  | Non-illuminated  |
| <b>BEZEL COLOR</b>   | Other  |
| <b>SHOCK RESISTANCE</b>  | Mechanical, According to IEC/EN 60068-2-27<br>50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |
| <b>COLOR</b>   | Red  |
| <b>BEZEL MATERIAL</b>  | Other  |
| <b>DESIGN</b>  | Mushroom-shaped<br>Classical   |
| <b>MOUNTING POSITION</b>   | As required  |
| <b>DEGREE OF PROTECTION</b>  | IP67/IP69K<br>NEMA 4X, 13  |
| <b>FRONT ELEMENT TYPE</b>  | High   |
| <b>LENS TYPE</b>   | Round  |
| <b>LIFESPAN, MECHANICAL</b>  | 100,000 Operations   |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W  |
| <b>WIDTH OPENING</b>   | 0 mm   |
| <b>PRODUCT CATEGORY</b>  | RMQ-Titan  |
| <b>SIZE</b>  | Front dimensions: 35 mm  |
| <b>SUPPLY VOLTAGE LAMP</b>   | 0 V  |
| <b>SUITABLE FOR</b>  | Emergency stop   |
| <b>UNLOCKING METHOD</b>  | Key-release  |

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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**Eaton Corporation plc**

Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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