

# Specifications



## Eaton 216958

Eaton Moeller® series M22 Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, red, inscribed, Bezel: black

### General specifications

|                                 |   |
|---------------------------------|---|
| <b>PRODUCT NAME</b>             | Eaton Moeller® series<br>M22 Illuminated<br>pushbutton actuator   |
| <b>CATALOG NUMBER</b>           | 216958  |
| <b>MODEL CODE</b>               | M22S-DRL-R-X0   |
| <b>EAN</b>                      | 4015082169589   |
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 30 mm   |
| <b>PRODUCT HEIGHT</b>           | 30 mm   |
| <b>PRODUCT WIDTH</b>            | 30 mm   |
| <b>PRODUCT WEIGHT</b>           | 0.012 kg  |
| <b>CERTIFICATIONS</b>           | CSA-C22.2 No. 94-91<br>CE<br>IEC/EN 60947-5<br>UL 508<br>CSA Class No.: 3211-03<br>IEC/EN 60947<br>CSA<br>UL Category Control No.:<br>NKCR<br>CSA-C22.2 No. 14-05<br>CSA File No.: 012528<br>UL<br>VDE 0660<br>UL File No.: E29184<br>DNV<br>GL<br>LR |
| <b>GLOBAL CATALOG</b>           | 216958  |

## Product specifications

|   |  |
|---|--|
| <b>TYPE</b>   | Illuminated pushbutton actuator  |
| <b>ACTUATOR COLOR</b>   | Red  |
| <b>FEATURES</b>   | Labelled   |
| <b>ACTUATOR FUNCTION</b>  | Maintained<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.   |
| <b>10.3 DEGREE OF</b>   | Does not apply, since the  |

## Resources

### CATALOGS

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[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-eu250858en.pdf](#)

[eaton-pushbutton-declaration-of-conformity-eu250857en.pdf](#)

[DA-DC-00004135.pdf](#)

[DA-DC-00004157.pdf](#)

[eaton-operating-pushbutton-m22-dimensions-004.eps](#)

[eaton-operating-actuation-m22-dimensions-002.eps](#)

[eaton-general-approval-m22-symbol.eps](#)

### DRAWINGS

[eaton-operating-samrtwire-m22-3d-drawing.eps](#)

[eaton-general-m22-standards.eps](#)

[eaton-operating-button-m22-symbol-011.eps](#)

[eaton-general-m22-symbol.eps](#)

### ECAD MODEL

[ETN.216958.edz](#)

### FLYERS

[eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf](#)

### INSTALLATION INSTRUCTIONS

[IL04716002Z](#)

### INSTALLATION VIDEOS

[RMQ Flat Design](#)

### MCAD MODEL

[DA-CD-drucktaste flach](#)

|   |  |
|---|--|
| <b>PROTECTION OF ASSEMBLIES</b>                                 | 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>FITTED WITH:</b>   | Front ring   |
| <b>OPERATING FREQUENCY</b>                                      | 1800 Operations/h  |
| <b>CLIMATIC PROOFING</b>  | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| <b>CONNECTION TO SMARTWIRE-DT</b>                               | With SWD-RMQ connections<br>Yes  |
| <b>ACTUATING FORCE</b>  | 5 N  |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 70 °C  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                      | -25 °C   |
| <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  |
| <b>NUMBER OF COMMAND</b>  | 1  |

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

|  |  |
|--|--|
| <b>POSITIONS</b>   |  |
| <b>OPENING DIAMETER</b>  | 22.5 mm  |
| <b>OPENING HEIGHT</b>  | 0 mm   |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A  |
| <b>BEZEL COLOR</b>   | Black  |
| <b>SHOCK RESISTANCE</b>  | Mechanical, According to IEC/EN 60068-2-27<br>30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |
| <b>BEZEL MATERIAL</b>  | Plastic  |
| <b>DESIGN</b>  | Flush<br>Classical   |
| <b>MOUNTING POSITION</b>   | As required  |
| <b>DEGREE OF PROTECTION</b>  | IP66<br>IP69K<br>NEMA 4X<br>NEMA 12<br>NEMA 13<br>IP67<br>NEMA 3R  |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b>                             | NEMA 4X<br>IP67/IP69K  |
| <b>INSCRIPTION</b>   | Inscribed  |
| <b>FRONT ELEMENT TYPE</b>  | Flat   |
| <b>FUNCTIONS</b>   | Stay-put/spring-return<br>function can be changed on device  |
| <b>LENS TYPE</b>   | Round  |
| <b>LIFESPAN, MECHANICAL</b>  | 1,000,000 Operations (AC operated)   |
| <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 diameter: 29.7 mm  |
| <b>SUITABLE FOR</b>  | Illumination   |

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



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