

# Specifications



## Eaton 216973

Eaton Moeller® series M22 Illuminated pushbutton actuator, RMQ-Titan, Extended, momentary, Blue, Blank, Bezel: titanium

### General specifications

|                             |  |
|-----------------------------|--|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 Illuminated pushbutton actuator  |
| <b>CATALOG NUMBER</b>       | 216973   |
| <b>MODEL CODE</b>           | M22-DLH-B  |
| <b>EAN</b>                  | 4015082169732  |
| <b>PRODUCT LENGTH/DEPTH</b> | 30 mm  |
| <b>PRODUCT HEIGHT</b>       | 35 mm  |
| <b>PRODUCT WIDTH</b>        | 30 mm  |
| <b>PRODUCT WEIGHT</b>       | 0.012 kg   |
| <b>COMPLIANCES</b>          | CE Marked  |
| <b>CERTIFICATIONS</b>       | EN 60947-5<br>UL 508<br>CSA Std. C22.2 No. 94-91<br>IEC 60947-5<br>CSA Std. C22.2 No. 14-05<br>VDE<br>CE<br>CSA<br>IEC/EN 60947<br>UL File No.: E29184<br>CSA-C22.2 No. 14-05<br>CSA Class No.: 3211-03<br>CSA-C22.2 No. 94-91<br>VDE 0660<br>CSA File No.: 012528<br>IEC/EN 60947-5<br>UL<br>UL Category Control No.: NKCR<br>DNV<br>GL<br>LR |
| <b>GLOBAL CATALOG</b>       | 216973   |



Powering Business Worldwide

## Product specifications

|   |  |
|---|--|
| <b>TYPE</b>   | Illuminated pushbutton actuator  |
| <b>ACTUATOR COLOR</b>   | Blue   |
| <b>ACTUATOR FUNCTION</b>  | Spring-return<br>Momentary   |
| <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 PROTECTION OF ASSEMBLIES</b>  | Does not apply, since the entire switchgear needs to be evaluated.                                       |

## Resources

|                                   |   |
|-----------------------------------|---|
|                                   | <a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>  |
| <b>CATALOGS</b>                   | <a href="#">Flip catalog - Product Range Catalog - Command and indication</a><br><br><a href="#">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a>  |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-pushbutton-declaration-of-conformity-eu250857en.pdf</a><br><br><a href="#">eaton-pushbutton-declaration-of-conformity-eu250858en.pdf</a><br><br><a href="#">eaton-operating-pushbutton-m22-dimensions-005.eps</a><br><br><a href="#">eaton-operating-pushbutton-m22-dimensions.eps</a><br><br><a href="#">eaton-general-m22-standards.eps</a><br><br><b>DRAWINGS</b><br><br><a href="#">eaton-general-m22-symbol.eps</a><br><br><a href="#">eaton-operating-symbol-002.eps</a><br><br><a href="#">eaton-general-approval-m22-symbol.eps</a><br><br><a href="#">eaton-operating-samrtwire-m22-3d-drawing-002.eps</a> |
| <b>ECAD MODEL</b>                 | <a href="#">ETN.216973.edz</a>  |
| <b>FLYERS</b>                     | <a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>   |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">IL04716002Z</a>   |
| <b>INSTALLATION VIDEOS</b>        | <a href="#">RMQ Flat Design</a>   |
| <b>MCAD MODEL</b>                 | <a href="#">DA-CS-drucktaste_hoch</a><br><br><a href="#">DA-CD-drucktaste_hoch</a>  |

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|---|--|
| <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>                                      | 3600 Operations/h  |
| <b>BUTTON COLOR</b>   | Blue   |
| <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>                               | 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 POSITIONS</b>                              | 1  |

## MULTIMEDIA

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator](#)

[RMQ small E-Stop emergency-stop button](#)

[MCI MultiColor Light Indicator RMQ compact solution](#)

[MCI Multicolor Light Indicator M22 with SmartWire-DT](#)

## SALES NOTES

[eaton-control-circuit-devices-rmq-titan-fl144090en-en-us.pdf](#)

[eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf](#)

[eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf](#)

[eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf](#)

|  |  |
|--|--|
| <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>   | Titanium   |
| <b>SHOCK RESISTANCE</b>  | 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms<br>Mechanical, According to IEC/EN 60068-2-27 |
| <b>BEZEL MATERIAL</b>  | Plastic  |
| <b>MATERIAL</b>  | Titanium front ring  |
| <b>DESIGN</b>  | Extended<br>Classical  |
| <b>MOUNTING POSITION</b>   | As required  |
| <b>DEGREE OF PROTECTION</b>  | IP69K<br>NEMA 12<br>IP66<br>NEMA 13<br>NEMA 4X<br>NEMA 3R<br>IP67  |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b>                             | IP67/IP69K<br>NEMA 4X  |
| <b>INSCRIPTION</b>   | Blank  |
| <b>FRONT ELEMENT TYPE</b>  | High   |
| <b>LENS TYPE</b>   | Round  |
| <b>LIFESPAN, MECHANICAL</b>  | 5,000,000 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 diameter: 29.7 mm  |
| <b>SUITABLE FOR</b>  | Illumination   |

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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