

# Specifications



Photo is representative

## Eaton 216929

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

### General specifications

|                             |                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 illuminated pushbutton                                                                                                                                                                                                                                                                                               |
| <b>CATALOG NUMBER</b>       | 216929                                                                                                                                                                                                                                                                                                                                         |
| <b>MODEL CODE</b>           | M22-DL-Y                                                                                                                                                                                                                                                                                                                                       |
| <b>EAN</b>                  | 4015082169299                                                                                                                                                                                                                                                                                                                                  |
| <b>PRODUCT LENGTH/DEPTH</b> | 30 mm                                                                                                                                                                                                                                                                                                                                          |
| <b>PRODUCT HEIGHT</b>       | 30 mm                                                                                                                                                                                                                                                                                                                                          |
| <b>PRODUCT WIDTH</b>        | 30 mm                                                                                                                                                                                                                                                                                                                                          |
| <b>PRODUCT WEIGHT</b>       | 0.01 kg                                                                                                                                                                                                                                                                                                                                        |
| <b>COMPLIANCES</b>          | CE Marked                                                                                                                                                                                                                                                                                                                                      |
| <b>CERTIFICATIONS</b>       | IEC 60947-5<br>EN 60947-5<br>CSA Std. C22.2 No. 94-91<br>CSA Std. C22.2 No. 14-05<br>UL 508<br>VDE<br>VDE 0660<br>CSA<br>UL Category Control No.: NKCR<br>UL File No.: E29184<br>IEC/EN 60947-5<br>CSA-C22.2 No. 94-91<br>IEC/EN 60947<br>CSA File No.: 012528<br>CE<br>CSA Class No.: 3211-03<br>CSA-C22.2 No. 14-05<br>UL<br>DNV<br>GL<br>LR |



Powering Business Worldwide

## Actuator

|                                    |                            |
|------------------------------------|----------------------------|
| <b>ACTUATING FORCE</b>             | 5 N                        |
| <b>ACTUATOR COLOR</b>              | Yellow                     |
| <b>ACTUATOR FUNCTION</b>           | Momentary<br>Spring-return |
| <b>BEZEL COLOR</b>                 | Titanium                   |
| <b>BEZEL MATERIAL</b>              | Plastic                    |
| <b>DESIGN</b>                      | Flush<br>Classical         |
| <b>FITTED WITH:</b>                | Front ring                 |
| <b>INSCRIPTION</b>                 | Blank                      |
| <b>LENS TYPE</b>                   | Round                      |
| <b>MATERIAL</b>                    | Titanium front ring        |
| <b>NUMBER OF COMMAND POSITIONS</b> | 1                          |

## Communication

|                                   |                                 |
|-----------------------------------|---------------------------------|
| <b>CONNECTION TO SMARTWIRE-DT</b> | With SWD-RMQ connections<br>Yes |
|-----------------------------------|---------------------------------|

## Climatic environmental conditions

|                                            |                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b> | 70 °C                                                                          |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b> | -25 °C                                                                         |
| <b>CLIMATIC PROOFING</b>                   | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |

## Design verification

|                                                                                         |                                                                                                          |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <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)</b>                                           | Please enquire                                                                                           |

|                                                                      |                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>RADIATION</b>                                                     |                                                                    |
| <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. |
| <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>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>            | 0 W                                                                |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                               | 0 W                                                                |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>             | 0 W                                                                |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                                                |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                                                |

## General information

|                                          |                                 |
|------------------------------------------|---------------------------------|
| <b>DEGREE OF PROTECTION</b>              | NEMA 12                         |
|                                          | IP69K                           |
|                                          | NEMA 4X                         |
|                                          | NEMA 13                         |
|                                          | IP67                            |
|                                          | IP66                            |
|                                          | NEMA 3R                         |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b> | NEMA 4X<br>IP67/IP69K           |
| <b>LIFESPAN, MECHANICAL</b>              | 5,000,000 Operations            |
| <b>MOUNTING POSITION</b>                 | As required                     |
| <b>OPENING DIAMETER</b>                  | 22.5 mm                         |
| <b>OPERATING FREQUENCY</b>               | 3600 Operations/h               |
| <b>PRODUCT CATEGORY</b>                  | RMQ-Titan                       |
| <b>SIZE</b>                              | Front dimensions: 22 x 22 mm    |
| <b>SUITABLE FOR</b>                      | Illumination                    |
| <b>TYPE</b>                              | Illuminated pushbutton actuator |

## Resources

### CATALOGUES

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

### DRAWINGS

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

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

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

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

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

[eaton-operating-button-symbol-008.eps](#)

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

### ECAD MODEL

[ETN.216929.edz](#)

### INSTALLATION INSTRUCTIONS

[eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf](#)

[IL04716002Z](#)

### MCAD MODEL

[eaton-pushbuttons-mcad-drawings-drucktaste-flach.dwg](#)

[DA-CS-drucktaste\\_flach](#)

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



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

© 2026 Eaton. All Rights Reserved.

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

