

# Specifications



Photo is representative



## Eaton 188144

Eaton Moeller® series M30 Key-operated actuator, Flat Front, maintained, 3 positions, MS3, Key withdrawable: I, 0, II, Bezel: stainless steel

### General specifications

|                             |                           |
|-----------------------------|---------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series     |
|                             | M30 Key-operated actuator |
| <b>CATALOG NUMBER</b>       | 188144                    |
| <b>MODEL CODE</b>           | M30I-FWRS3-MS3            |
| <b>EAN</b>                  | 4015081858187             |
| <b>PRODUCT LENGTH/DEPTH</b> | 36 mm                     |
| <b>PRODUCT HEIGHT</b>       | 67 mm                     |
| <b>PRODUCT WIDTH</b>        | 46 mm                     |
| <b>PRODUCT WEIGHT</b>       | 0.06 kg                   |
| <b>CERTIFICATIONS</b>       | IEC/EN 60947              |
|                             | VDE 0660                  |
| <b>GLOBAL CATALOG</b>       | 188144                    |

## Product specifications

|                                                                                         |                                                                                                                   |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>TYPE</b>                                                                             | Key-operated button                                                                                               |
| <b>ACCESSORIES</b>                                                                      | 1 key included with supplied equipment.                                                                           |
| <b>ACTUATOR COLOR</b>                                                                   | Black                                                                                                             |
| <b>ACTUATOR FUNCTION</b>                                                                | Key withdrawable in position 0<br>Key withdrawable in position 2<br>Switching function latching<br><br>Maintained |
| <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                                                              |

## Resources

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | <a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>                                                                                                                                                                                                                                                                                                                                                                |
| <b>CATALOGS</b>                   | <a href="#">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a><br><br><a href="#">Flip catalog - Product Range Catalog - Command and indication</a>                                                                                                                                                                                                                                                                                                                      |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-key-operated-actuator-declaration-of-conformity-eu250863en.pdf</a><br><br><a href="#">eaton-key-operated-actuator-declaration-of-conformity-eu250864en.pdf</a>                                                                                                                                                                                                                                                                                        |
|                                   | <a href="#">eaton-operating-m30-dimensions-006.eps</a><br><br><a href="#">eaton-operating-m30-dimensions-005.eps</a><br><br><a href="#">eaton-operating-m30-dimensions-004.eps</a><br><br><a href="#">eaton-operating-m30-key-operated-actuator-dimensions-002.eps</a><br><br><a href="#">eaton-operating-m30-key-operated-actuator-3d-drawing.eps</a><br><br><a href="#">eaton-general-approval-m22-symbol.eps</a><br><br><a href="#">eaton-general-m22-symbol.eps</a> |
| <b>ECAD MODEL</b>                 | <a href="#">ETN.188144.edz</a>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>FLYERS</b>                     | <a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf</a>                                                                                                                                                                                                                                                                                                                                                                     |
| <b>INSTALLATION VIDEOS</b>        | <a href="#">RMQ Flat Design</a>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>MCAD MODEL</b>                 | <a href="#">DA-CS-schluesseltaste_ms_flatfront</a><br><br><a href="#">DA-CD-schluesseltaste_ms_flatfront</a>                                                                                                                                                                                                                                                                                                                                                            |

|                                                                 |                                                                                |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                                                 | 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>FITTED WITH:</b>                                             | Front ring<br>Plunger bridge for the middle contact                            |
| <b>OPERATING FREQUENCY</b>                                      | 100 Operations/h                                                               |
| <b>POLLUTION DEGREE</b>                                         | 3                                                                              |
| <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>ACTUATOR TYPE</b>                                            | Key                                                                            |
| <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</b>                                       | 0 N                                                                            |

## MULTIMEDIA

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

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

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

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

## SALES NOTES

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

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

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

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

|                                                                      |                                                                                                                        |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>OPENING - MIN</b>                                                 |                                                                                                                        |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                               | 0 W                                                                                                                    |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>             | 0 W                                                                                                                    |
| <b>OPENING DIAMETER</b>                                              | 30 mm                                                                                                                  |
| <b>OPENING HEIGHT</b>                                                | 0 mm                                                                                                                   |
| <b>OPERATING TORQUE</b>                                              | 0.5 Nm                                                                                                                 |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                                                                                                    |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                                                                                                    |
| <b>SWITCHING ANGLE</b>                                               | 60 °                                                                                                                   |
| <b>WIDTH OPENING</b>                                                 | 0 mm                                                                                                                   |
| <b>BEZEL COLOR</b>                                                   | Stainless steel                                                                                                        |
| <b>SHOCK RESISTANCE</b>                                              | Mechanical, According to IEC/EN 60068-2-27<br>15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |
| <b>KEY CODE</b>                                                      | MS3                                                                                                                    |
| <b>BEZEL MATERIAL</b>                                                | Metal                                                                                                                  |
| <b>DESIGN</b>                                                        | Key operation lock mechanism                                                                                           |
| <b>MOUNTING POSITION</b>                                             | As required                                                                                                            |
| <b>OVERVOLTAGE CATEGORY</b>                                          | III                                                                                                                    |
| <b>DEGREE OF PROTECTION</b>                                          | NEMA 4X, 13                                                                                                            |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b>                             | IP64                                                                                                                   |
| <b>FUNCTIONS</b>                                                     | Stay-put/spring-return function, can be changed with coding parts M22-XC-Y                                             |
| <b>INDICATOR COLOR</b>                                               | Other                                                                                                                  |
| <b>LENS TYPE</b>                                                     | Round                                                                                                                  |
| <b>LIFESPAN, MECHANICAL</b>                                          | 100,000 Operations                                                                                                     |
| <b>NUMBER OF SWITCH POSITIONS</b>                                    | 3                                                                                                                      |
| <b>SIZE</b>                                                          | Front dimensions: Ø 36 mm                                                                                              |
| <b>PRODUCT CATEGORY</b>                                              | RMQ-Titan                                                                                                              |

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



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