

# Specifications



Photo is representative



## Eaton 187056

Eaton Moeller® series M30 Key-operated actuator, Flat Front, maintained, 2 positions, MS4, Key withdrawable: 0, Metal bezel

### General specifications

|                     |                                                 |
|---------------------|-------------------------------------------------|
| <b>PRODUCT NAME</b> | Eaton Moeller® series M30 Key-operated actuator |
|---------------------|-------------------------------------------------|

|                       |        |
|-----------------------|--------|
| <b>CATALOG NUMBER</b> | 187056 |
|-----------------------|--------|

|                   |                  |
|-------------------|------------------|
| <b>MODEL CODE</b> | M30C-FWRS-MS4-A1 |
|-------------------|------------------|

|            |               |
|------------|---------------|
| <b>EAN</b> | 4015081821198 |
|------------|---------------|

|                             |       |
|-----------------------------|-------|
| <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<br>VDE 0660<br>CSA file No. 012528<br>CSA Class No.: 3211-03<br>DNV<br>UL File No.: E29184<br>GL<br>IEC/EN 60947-5<br>UL 508<br>CSA-C22.2 No. 14-05<br>CSA-C22.2 No. 94-91<br>CE marking<br>UL Category Control No.: NKCR<br>UL Listed<br>CSA certified |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                       |        |
|-----------------------|--------|
| <b>GLOBAL CATALOG</b> | 187056 |
|-----------------------|--------|

## 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>                                                                | Maintained<br>Switching function latching<br><br>Key withdrawable in position 0                          |
| <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                                                                                        |

## 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-key-operated-actuator-declaration-of-conformity-eu250863en.pdf](#)

[eaton-key-operated-actuator-declaration-of-conformity-eu250864en.pdf](#)

### DRAWINGS

[eaton-operating-m30-dimensions-005.eps](#)

[eaton-operating-m30-key-operated-actuator-dimensions.eps](#)

[eaton-operating-m30-dimensions-006.eps](#)

[eaton-operating-m30-dimensions-004.eps](#)

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

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

[eaton-operating-m30-key-operated-actuator-3d-drawing.eps](#)

### ECAD MODEL

[ETN.187056.edz](#)

### FLYERS

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

### INSTALLATION INSTRUCTIONS

[eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf](#)

### INSTALLATION VIDEOS

[RMQ Flat Design](#)

### MCAD MODEL

[DA-CS-schluesseltaste\\_ms\\_flatfront](#)

[DA-CD-schluesseltaste\\_ms\\_flatfront](#)

|                                                                 |                                                                                |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                                                 | 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                                                                     |
| <b>OPERATING FREQUENCY</b>                                      | 100 Operations/h                                                               |
| <b>POLLUTION DEGREE</b>                                         | 3                                                                              |
| <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>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 OPENING - MIN</b>                         | 0 N                                                                            |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                          | 0 W                                                                            |
| <b>HEAT DISSIPATION PER</b>                                     | 0 W                                                                            |

## MULTIMEDIA

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

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

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

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

## SALES NOTES

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

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

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

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

|                                                                      |                                                                                                                        |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>POLE, CURRENT-DEPENDENT PVID</b>                                  |                                                                                                                        |
| <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>                                                   | Titanium                                                                                                               |
| <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>                                                      | MS4                                                                                                                    |
| <b>BEZEL MATERIAL</b>                                                | Metal                                                                                                                  |
| <b>DESIGN</b>                                                        | Key operation lock mechanism<br>Flat front                                                                             |
| <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>                             | IP66                                                                                                                   |
| <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>                                    | 2                                                                                                                      |
| <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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