

# Specifications



Photo is representative



## Eaton 187047

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

### General specifications

|                             |                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M30 key-operated actuator                                                                                                                                                                                                                      |
| <b>CATALOG NUMBER</b>       | 187047                                                                                                                                                                                                                                                               |
| <b>MODEL CODE</b>           | M30C-FWRS-A1                                                                                                                                                                                                                                                         |
| <b>EAN</b>                  | 4015081821136                                                                                                                                                                                                                                                        |
| <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 |

## Actuator

|                                   |                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------|
| <b>ACTUATOR COLOR</b>             | Black                                                                       |
| <b>ACTUATOR FUNCTION</b>          | Switching function latching<br>Maintained<br>Key withdrawable in position 0 |
| <b>ACTUATOR TYPE</b>              | Key                                                                         |
| <b>BEZEL COLOR</b>                | Titanium                                                                    |
| <b>BEZEL MATERIAL</b>             | Metal                                                                       |
| <b>DESIGN</b>                     | Key operation lock mechanism<br>Flat front                                  |
| <b>FITTED WITH:</b>               | Front ring                                                                  |
| <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>NUMBER OF SWITCH POSITIONS</b> | 2                                                                           |

## 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, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |

## 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) 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. |
| <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</b>                                                                      | 0 W                                                                |

## DISSIPATION, NON-CURRENT-DEPENDENT PVS

### General information

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| <b>ACCESSORIES</b>                       | 1 key included with supplied equipment. |
| <b>DEGREE OF PROTECTION</b>              | NEMA 4X, 13                             |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b> | IP66                                    |
| <b>LIFESPAN, MECHANICAL</b>              | 100,000 Operations                      |
| <b>MOUNTING POSITION</b>                 | As required                             |
| <b>OPENING DIAMETER</b>                  | 30 mm                                   |
| <b>OPERATING FREQUENCY</b>               | 100 Operations/h                        |
| <b>OPERATING TORQUE</b>                  | 0.5 Nm                                  |
| <b>OVERVOLTAGE CATEGORY</b>              | III                                     |
| <b>POLLUTION DEGREE</b>                  | 3                                       |
| <b>PRODUCT CATEGORY</b>                  | RMQ-Titan                               |
| <b>SIZE</b>                              | Front dimensions: Ø 36 mm               |
| <b>SWITCHING ANGLE</b>                   | 60 °                                    |
| <b>TYPE</b>                              | Key-operated button                     |

### Resources

|                            |                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| CATALOGUES                 | <a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a> |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-illuminated-pushbutton-declaration-of-conformity-eu251546en.pdf</a>                    |
|                            | <a href="#">eaton-operating-m30-dimensions-005.eps</a>                                                   |
|                            | <a href="#">eaton-operating-m30-dimensions-004.eps</a>                                                   |
|                            | <a href="#">eaton-operating-m30-key-operated-actuator-dimensions.eps</a>                                 |
| DRAWINGS                   | <a href="#">eaton-operating-m30-dimensions-006.eps</a>                                                   |
|                            | <a href="#">eaton-general-approval-m22-symbol.eps</a>                                                    |
|                            | <a href="#">eaton-general-m22-symbol.eps</a>                                                             |
|                            | <a href="#">eaton-operating-m30-key-operated-actuator-3d-drawing.eps</a>                                 |
| ECAD MODEL                 | <a href="#">ETN.187047.edz</a>                                                                           |
| INSTALLATION INSTRUCTIONS  | <a href="#">eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf</a>      |
| MCAD MODEL                 | <a href="#">eaton-switches-mcad-drawings-schluesseltaste-ms.dwg</a>                                      |
|                            | <a href="#">eaton-front-element-for-selector-switches-mcad-3d-models-m30c-fwrs.stp</a>                   |

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



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