

# Specifications



## Eaton 188090

Eaton Moeller® series M30 Pushbutton, RMQ-Titan, momentary, Front ring stainless steel

### General specifications

|                             |                                                                                                                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M30 Pushbutton                                                                                                                                                                                                                      |
| <b>CATALOG NUMBER</b>       | 188090                                                                                                                                                                                                                                                    |
| <b>MODEL CODE</b>           | M30I-FD-X                                                                                                                                                                                                                                                 |
| <b>EAN</b>                  | 4015081857685                                                                                                                                                                                                                                             |
| <b>PRODUCT LENGTH/DEPTH</b> | 36 mm                                                                                                                                                                                                                                                     |
| <b>PRODUCT HEIGHT</b>       | 30 mm                                                                                                                                                                                                                                                     |
| <b>PRODUCT WIDTH</b>        | 46 mm                                                                                                                                                                                                                                                     |
| <b>PRODUCT WEIGHT</b>       | 0.041 kg                                                                                                                                                                                                                                                  |
| <b>CERTIFICATIONS</b>       | VDE 0660<br>IEC/EN 60947<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 and 94-M91<br>CE marking<br>UL Category Control No.: NKCR<br>UL Listed<br>CSA certified |
| <b>GLOBAL CATALOG</b>       | 188090                                                                                                                                                                                                                                                    |

## Product specifications

|                                            |                                                                                                                        |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>TYPE</b>                                | Pushbutton actuator                                                                                                    |
| <b>ACTUATOR COLOR</b>                      | Other                                                                                                                  |
| <b>ACTUATOR FUNCTION</b>                   | Spring-return<br>Momentary                                                                                             |
| <b>FITTED WITH:</b>                        | Front ring                                                                                                             |
| <b>OPERATING FREQUENCY</b>                 | 3600 Operations/h                                                                                                      |
| <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>AMBIENT STORAGE TEMPERATURE - MAX</b>   | 80 °C                                                                                                                  |
| <b>AMBIENT STORAGE TEMPERATURE - MIN</b>   | 40 °C                                                                                                                  |
| <b>FORCE FOR POSITIVE OPENING - MIN</b>    | 0 N                                                                                                                    |
| <b>NUMBER OF COMMAND POSITIONS</b>         | 1                                                                                                                      |
| <b>OPENING DIAMETER</b>                    | 30.5 mm                                                                                                                |
| <b>OPENING HEIGHT</b>                      | 0 mm                                                                                                                   |
| <b>BEZEL COLOR</b>                         | Stainless steel                                                                                                        |
| <b>SHOCK RESISTANCE</b>                    | 15 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>                      | Metal                                                                                                                  |
| <b>DESIGN</b>                              | Flat front                                                                                                             |
| <b>MOUNTING POSITION</b>                   | As required                                                                                                            |
| <b>DEGREE OF PROTECTION</b>                | IP67<br>IP66<br>IP69                                                                                                   |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b>   | IP67<br>NEMA 4X, 13                                                                                                    |
| <b>FRONT ELEMENT TYPE</b>                  | Flat                                                                                                                   |
| <b>LENS TYPE</b>                           | Round                                                                                                                  |

|                             |                               |
|-----------------------------|-------------------------------|
| <b>LIFESPAN, MECHANICAL</b> | 5,000,000 Operations          |
| <b>WIDTH OPENING</b>        | 0 mm                          |
| <b>PRODUCT CATEGORY</b>     | RMQ-Titan                     |
| <b>SIZE</b>                 | Front dimensions: Ø 36 x 3 mm |

## Resources

|                 |                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------|
| <b>CATALOGS</b> | <a href="#">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a>                                            |
|                 | <a href="#">Flip catalog - Product Range Catalog - Command and indication</a>                            |
|                 | <a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a> |

|                                   |                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------|
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-key-operated-actuator-declaration-of-conformity-eu250864en.pdf</a> |
|                                   | <a href="#">eaton-key-operated-actuator-declaration-of-conformity-eu250863en.pdf</a> |

|                 |                                                        |
|-----------------|--------------------------------------------------------|
| <b>DRAWINGS</b> | <a href="#">eaton-operating-m30-dimensions.eps</a>     |
|                 | <a href="#">eaton-operating-m30-dimensions-005.eps</a> |
|                 | <a href="#">eaton-operating-m30-dimensions-004.eps</a> |
|                 | <a href="#">eaton-operating-m30-dimensions-006.eps</a> |
|                 | <a href="#">eaton-general-m22-symbol.eps</a>           |
|                 | <a href="#">eaton-operating-m30-3d-drawing-002.eps</a> |
|                 | <a href="#">eaton-general-approval-m22-symbol.eps</a>  |

|                   |                                |
|-------------------|--------------------------------|
| <b>ECAD MODEL</b> | <a href="#">ETN.188090.edz</a> |
|-------------------|--------------------------------|

|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| <b>FLYERS</b> | <a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a> |
|---------------|---------------------------------------------------------------------------|

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|----------------------------------|-----------------------------------------------------------------------------------------------------|
| <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-drucktaste_ohne_tastenplatte_flatfront</a> |
|-------------------|--------------------------------------------------------------|

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
|             | <a href="#">DA-CD-drucktaste_ohne_tastenplatte_flatfront</a>                                       |
|             | <a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a>                               |
|             | <a href="#">RMQ small E-Stop emergency-stop button</a>                                             |
| MULTIMEDIA  | <a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a> |
|             | <a href="#">MCI MultiColor Light Indicator RMQ compact solution</a>                                |
| SALES NOTES | <a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a>               |
|             | <a href="#">eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf</a>                                  |
|             | <a href="#">eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf</a>                                |
|             | <a href="#">eaton-control_circuit-devices rmq-titan-fl144090en-en-us.pdf</a>                       |

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



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