

# Specifications



Photo is representative

## Eaton 187118

Eaton Moeller® series M30 Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, momentary, 3 positions, White, Metal bezel

### General specifications

|                             |                                                       |
|-----------------------------|-------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M30 illuminated selector switch |
| <b>CATALOG NUMBER</b>       | 187118                                                |
| <b>MODEL CODE</b>           | M30C-FWLK3-W                                          |
| <b>EAN</b>                  | 4015081821679                                         |
| <b>PRODUCT LENGTH/DEPTH</b> | 36 mm                                                 |
| <b>PRODUCT HEIGHT</b>       | 47 mm                                                 |
| <b>PRODUCT WIDTH</b>        | 46 mm                                                 |
| <b>PRODUCT WEIGHT</b>       | 0.042 kg                                              |
| <b>CERTIFICATIONS</b>       | VDE 0660<br>IEC/EN 60947                              |



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## Actuator

|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| <b>ACTUATOR COLOR</b>                 | White                                                                                |
| <b>ACTUATOR FUNCTION</b>              | Momentary<br>Spring-return                                                           |
| <b>ACTUATOR TYPE</b>                  | Toggle                                                                               |
| <b>BEZEL COLOR</b>                    | Titanium                                                                             |
| <b>BEZEL MATERIAL</b>                 | Metal                                                                                |
| <b>DESIGN</b>                         | With thumb-grip                                                                      |
| <b>FITTED WITH:</b>                   | Front ring                                                                           |
| <b>FUNCTIONS</b>                      | Stay-put/spring-return<br>function, can be changed<br>with coding parts M22-XC-<br>Y |
| <b>INDICATOR COLOR</b>                | White                                                                                |
| <b>LENS TYPE</b>                      | Round                                                                                |
| <b>NUMBER OF SWITCH<br/>POSITIONS</b> | 3                                                                                    |

## Communication

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

## Climatic environmental conditions

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

## Design verification

|                                                                                                         |                                                                                                                      |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                                           | Not applicable.                                                                                                      |
| <b>10.11 SHORT-CIRCUIT<br/>RATING</b>                                                                   | Is the panel builder's<br>responsibility. The<br>specifications for the<br>switchgear must be<br>observed.           |
| <b>10.12 ELECTROMAGNETIC<br/>COMPATIBILITY</b>                                                          | Is the panel builder's<br>responsibility. The<br>specifications for the<br>switchgear must be<br>observed.           |
| <b>10.13 MECHANICAL<br/>FUNCTION</b>                                                                    | The device meets the<br>requirements, provided<br>the information in the<br>instruction leaflet (IL) is<br>observed. |
| <b>10.2.2 CORROSION<br/>RESISTANCE</b>                                                                  | Meets the product<br>standard's requirements.                                                                        |
| <b>10.2.3.1 VERIFICATION OF<br/>THERMAL STABILITY OF<br/>ENCLOSURES</b>                                 | Meets the product<br>standard's requirements.                                                                        |
| <b>10.2.3.2 VERIFICATION OF<br/>RESISTANCE OF<br/>INSULATING MATERIALS<br/>TO NORMAL HEAT</b>           | Meets the product<br>standard's requirements.                                                                        |
| <b>10.2.3.3 RESIST. OF<br/>INSUL. MAT. TO<br/>ABNORMAL HEAT/FIRE<br/>BY INTERNAL ELECT.<br/>EFFECTS</b> | Meets the product<br>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 DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                                                |

## General information

|                                          |                                      |
|------------------------------------------|--------------------------------------|
| <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>               | 2000 Operations/h                    |
| <b>OPERATING TORQUE</b>                  | 0.3 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>SUITABLE FOR</b>                      | Illumination                         |
| <b>SWITCHING ANGLE</b>                   | 40 °                                 |
| <b>TYPE</b>                              | Illuminated selector switch actuator |

## 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-002.eps</a>                                                                            |
|                            | <a href="#">eaton-operating-m30-dimensions-004.eps</a>                                                                            |
|                            | <a href="#">eaton-operating-m30-dimensions-006.eps</a>                                                                            |
| DRAWINGS                   | <a href="#">eaton-general-m22-symbol.eps</a>                                                                                      |
|                            | <a href="#">eaton-operating-button-symbol-013.eps</a>                                                                             |
|                            | <a href="#">eaton-operating-3d-drawing-008.eps</a>                                                                                |
|                            | <a href="#">eaton-general-approval-m22-symbol.eps</a>                                                                             |
| ECAD MODEL                 | <a href="#">ETN.187118.edz</a>                                                                                                    |
| INSTALLATION INSTRUCTIONS  | <a href="#">eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf</a>                               |
| MCAD MODEL                 | <a href="#">DA-CS-wahl taste knebel flatfront</a><br><a href="#">eaton-switches-mcad-drawings-wahl taste-knebel-flatfront.dwg</a> |

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



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