

# Specifications

## Eaton 110924



Eaton Moeller® series M22 Illuminated selector switch actuator, RMQ-Titan, maintained, 2 positions, 1 NO, green, Blister pack for hanging

### General specifications

|                             |                                           |
|-----------------------------|-------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 selector switch |
| <b>CATALOG NUMBER</b>       | 110924                                    |
| <b>MODEL CODE</b>           | M22-WRLK-G-K10LED-BVP                     |
| <b>EAN</b>                  | 4015081104536                             |
| <b>PRODUCT LENGTH/DEPTH</b> | 50 mm                                     |
| <b>PRODUCT HEIGHT</b>       | 80 mm                                     |
| <b>PRODUCT WIDTH</b>        | 50 mm                                     |
| <b>PRODUCT WEIGHT</b>       | 0.039 kg                                  |
| <b>COMPLIANCES</b>          | CE                                        |
| <b>CERTIFICATIONS</b>       | DNV<br>GL<br>LR                           |



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## Actuator

|                                   |                             |
|-----------------------------------|-----------------------------|
| <b>ACTUATOR COLOR</b>             | Green                       |
| <b>ACTUATOR FUNCTION</b>          | Switching function latching |
| <b>ACTUATOR TYPE</b>              | Toggle                      |
| <b>BEZEL COLOR</b>                | Titanium                    |
| <b>BEZEL MATERIAL</b>             | Plastic                     |
| <b>FITTED WITH:</b>               | Front ring                  |
| <b>INDICATOR COLOR</b>            | Green                       |
| <b>LENS TYPE</b>                  | Round                       |
| <b>NUMBER OF SWITCH POSITIONS</b> | 2                           |

## Communication

|                                   |    |
|-----------------------------------|----|
| <b>CONNECTION TO SMARTWIRE-DT</b> | No |
|-----------------------------------|----|

## Climatic environmental conditions

|                                            |        |
|--------------------------------------------|--------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b> | 70 °C  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b> | -25 °C |

## Design verification

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <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)</b>                                           | Please enquire                                                                                                                   |

|                                                                      |                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>RADIATION</b>                                                     |                                                                    |
| <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>             | 0.11 W                                                             |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 6 A                                                                |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0.45 W                                                             |

## General information

|                                   |                         |
|-----------------------------------|-------------------------|
| DEGREE OF PROTECTION              | NEMA 4X                 |
| DEGREE OF PROTECTION (FRONT SIDE) | IP66                    |
| LIFESPAN, MECHANICAL              | 100,000 Operations      |
| OPENING DIAMETER                  | 22.5 mm                 |
| OVERVOLTAGE CATEGORY              | III                     |
| POLLUTION DEGREE                  | 3                       |
| PRODUCT CATEGORY                  | RMQ-Titan               |
| SIZE                              | Front diameter: 29.7 mm |
| SUITABLE FOR                      | Illumination            |

## Resources

|                            |                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUES                 | <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a><br><a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>              |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-pushbutton-declaration-of-conformity-eu251543en.pdf</a><br><a href="#">eaton-pushbutton-declaration-of-conformity-uk260006en.pdf</a><br><a href="#">eaton-general-approval-m22-symbol.eps</a> |
| DRAWINGS                   | <a href="#">eaton-general-m22-symbol.eps</a><br><a href="#">eaton-general-m22-standards.eps</a>                                                                                                                 |
| INSTALLATION INSTRUCTIONS  | <a href="#">IL04716002Z</a>                                                                                                                                                                                     |
| MCAD MODEL                 | <a href="#">eaton-switches-mcad-drawings-bg-wk-1led0.dwg</a><br><a href="#">DA-CS-bg_wk_1led0</a>                                                                                                               |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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