# Specifications

## Eaton 040380

Eaton Moeller® series RMQ16 Illuminated selector switch actuator, maintained, 45°, 25 × 25 mm, 2 positions, With thumb-grip, green, with VS anti-rotation tab, with filament bulb, 24 V

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton Moeller® series RMQ16 Illuminated selector switch actuator |
| **CATALOG NUMBER** | 040380 |
| **EAN** | 4015080403807 |
| **PRODUCT LENGTH/DEPTH** | 75 mm |
| **PRODUCT HEIGHT** | 25 mm |
| **PRODUCT WIDTH** | 25 mm |
| **PRODUCT WEIGHT** | 0.017 kg |
| **CERTIFICATIONS** | CSA Class No.: 3211-03<br>UL Category Control No.: NKCR<br>UL File No.: E29184<br>UL 508<br>CE<br>UL<br>CSA-C22.2 No. 14-05<br>CSA<br>IEC/EN 60947-5<br>CSA File No.: 46552<br>IEC/EN 60947 |
| **MODEL CODE** | Q25LWK1R-GN/WB |

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## Features & Functions

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|---|---|
| **BEZEL COLOR** | Black |
| **BEZEL MATERIAL** | Plastic |
| **DESIGN** | With thumb-grip |
| **FITTED WITH:** | Filament bulb (24 V)<br>VS anti-rotation tab |

## General

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|---|---|
| **DEGREE OF PROTECTION** | NEMA 1 |
| **DEGREE OF PROTECTION (FRONT SIDE)** | IP65 |
| **LIFESPAN, MECHANICAL** | 3,000,000 Operations |
| **OPENING DIAMETER** | 16 mm |
| **OPERATING FREQUENCY** | 1800 Operations/h |
| **OPERATING TORQUE** | 0.2 Nm |
| **OVERVOLTAGE CATEGORY** | III |
| **POLLUTION DEGREE** | 3 |
| **PRODUCT CATEGORY** | RMQ16 |
| **RATED IMPULSE WITHSTAND VOLTAGE (UIMP)** | 800 V AC |
| **SIZE** | Front dimensions: 25 × 25 mm |
| **SUITABLE FOR** | Illumination |
| **SWITCHING ANGLE** | 45 ° |
| **TERMINAL CAPACITY** | 0.5 - 1.0 $mm^2$ |
| **TERMINAL SIZE** | 2.8 x 0.8 mm to DIN 46244, Blade terminal<br>2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors |
| **TYPE** | Illuminated selector switch actuator |

## Ambient conditions, mechanical

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|---|---|
| **MOUNTING POSITION** | As required |
| **SHOCK RESISTANCE** | Mechanical, According to IEC/EN 60068-2-27<br>40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |

## Climatic environmental conditions

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| **AMBIENT OPERATING TEMPERATURE - MIN** | -25 °C |
| **AMBIENT OPERATING TEMPERATURE - MAX** | 60 °C |
| **AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN** | 25 °C |
| **AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX** | 40 °C |
| **CLIMATIC PROOFING** | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |

## Electrical rating

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| **RATED INSULATION VOLTAGE (UI)** | 250 V |
| **RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX** | 24 V |

## Actuator

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| **ACTUATOR COLOR** | Black |
| **ACTUATOR FUNCTION** | Switching function latching<br><br>Maintained |
| **ACTUATOR TYPE** | Toggle |
| **NUMBER OF SWITCH POSITIONS** | 2 |

## Communication

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| **CONNECTION TO SMARTWIRE-DT** | No |

## Design verification

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| **EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID** | 0 W |
| **HEAT DISSIPATION CAPACITY PDISS** | 0 W |
| **HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID** | 0 W |
| **RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)** | 0 A |
| **STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS** | 1 W |
| **10.2.2 CORROSION RESISTANCE** | Meets the product standard's requirements. |
| **10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES** | Meets the product standard's requirements. |
| **10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT** | Meets the product standard's requirements. |
| **10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS** | Meets the product standard's requirements. |
| **10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION** | Please enquire |
| **10.2.5 LIFTING** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.2.6 MECHANICAL IMPACT** | Does not apply, since the entire switchgear needs to be evaluated. |

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| **10.2.7 INSCRIPTIONS** | Meets the product standard's requirements. |
| **10.3 DEGREE OF PROTECTION OF ASSEMBLIES** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.4 CLEARANCES AND CREEPAGE DISTANCES** | Meets the product standard's requirements. |
| **10.5 PROTECTION AGAINST ELECTRIC SHOCK** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS** | Is the panel builder's responsibility. |
| **10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS** | Is the panel builder's responsibility. |
| **10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH** | Is the panel builder's responsibility. |
| **10.9.3 IMPULSE WITHSTAND VOLTAGE** | Is the panel builder's responsibility. |
| **10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL** | Is the panel builder's responsibility. |
| **10.10 TEMPERATURE RISE** | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| **10.11 SHORT-CIRCUIT RATING** | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| **10.12 ELECTROMAGNETIC COMPATIBILITY** | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| **10.13 MECHANICAL FUNCTION** | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

## Resources

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| **CATALOGUES** | eaton-rmq-titan-brochure-br047004en-en-us.pdf<br>eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf |
| **DECLARATIONS OF CONFORMITY** | DA-DC-00004136.pdf<br>DA-DC-00004158.pdf |
| **DRAWINGS** | eaton-operating-switch-rmq16-dimensions.eps<br>eaton-operating-button-symbol-004.eps |
| **ECAD MODEL** | eaton-rmq16-illuminated-selector-switch-actuator-eplan-040380.edz |
| **INSTALLATION INSTRUCTIONS** | IL04716016Z |
| **MCAD MODEL** | DA-CS-wahl_25<br>leuchtwahl_25.stp<br>DA-CD-wahl_25 |

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

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