

Specifications

Eaton 040661

Eaton Moeller® series RMQ16 Illuminated selector switch actuator, maintained, 45°, 25 × 25 mm, 2 positions, With thumb-grip, White, with VS anti-rotation tab, without light elements, With base, W2x4,6d; max. 30 V, 1 W

General specifications

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| PRODUCT NAME | Eaton Moeller® series RMQ16 Illuminated selector switch actuator |
| CATALOG NUMBER | 040661 |
| EAN | 4015080406617 |
| PRODUCT LENGTH/DEPTH | 75 mm |
| PRODUCT HEIGHT | 25 mm |
| PRODUCT WIDTH | 25 mm |
| PRODUCT WEIGHT | 0.017 kg |
| CERTIFICATIONS | CSA Class No.: 3211-03 UL File No.: E29184 IEC/EN 60947 UL 508 CSA-C22.2 No. 14-05 CE CSA IEC/EN 60947-5 CSA File No.: 46552 UL Category Control No.: NKCR UL |
| CATALOG NOTES | Filament bulb or LED needs to be ordered separately |
| MODEL CODE | Q25LWK1R-WS |

Features & Functions

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| BEZEL COLOR | Black |
| BEZEL MATERIAL | Plastic |
| DESIGN | With thumb-grip |
| FITTED WITH: | 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 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal |
| TYPE | Illuminated selector switch actuator |

Ambient conditions, mechanical

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

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 Damp heat, cyclic, to IEC 60068-2-30 |

Electrical rating

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

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| CONNECTION TO SMARTWIRE-DT | No |
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Actuator

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| ACTUATOR COLOR | Black |
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| ACTUATOR FUNCTION | Switching function latching Maintained |
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| ACTUATOR TYPE | Toggle |
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| NUMBER OF SWITCH POSITIONS | 2 |
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Design verification

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

CATALOGUES

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

DECLARATIONS OF CONFORMITY

[DA-DC-00004158.pdf](#)

[DA-DC-00004136.pdf](#)

DRAWINGS

[eaton-operating-switch-rmq16-dimensions.eps](#)

[eaton-operating-button-symbol-013.eps](#)

ECAD MODEL

[eaton-rmq16-illuminated-selector-switch-actuator-eplan-040661.edz](#)

INSTALLATION INSTRUCTIONS

[IL04716016Z](#)

MCAD MODEL

[DA-CD-wahl_25](#)

[leuchtwahl_25.stp](#)

[DA-CS-wahl_25](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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