

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

Part no. **Q25LWK1R-WS**
040661

| General specifications | |
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| Product name | Eaton Moeller® series RMQ16 Illuminated selector switch actuator |
| Part no. | Q25LWK1R-WS |
| EAN | 4015080406617 |
| Product Length/Depth | 75 millimetre |
| Product height | 25 millimetre |
| Product width | 25 millimetre |
| Product weight | 0.017 kilogram |
| Certifications | UL File No.: E29184 IEC/EN 60947-5 CSA File No.: 46552 CE CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 UL 508 UL Category Control No.: NKCR CSA IEC/EN 60947 UL |
| Product Tradename | RMQ16 |
| Product Type | Illuminated selector switch actuator |
| Product Sub Type | None |
| Catalog Notes | Filament bulb or LED needs to be ordered separately |
| Features & Functions | |
| Bezel color | Black |
| Bezel material | Plastic |
| Design | With thumb-grip |
| Fitted with: | VS anti-rotation tab |
| General information | |
| 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 N·m |
| Overvoltage category | III |
| Pollution degree | 3 |
| Product category | RMQ16 |
| Size | Front dimensions: 25 × 25 mm |
| Rated impulse withstand voltage (Uimp) | 800 V AC |
| 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 | |
| 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 | | |
| Rated insulation voltage (Ui) | | 250 V |
| Rated operational voltage (Ue) at AC - max | | 24 V |
| Actuator | | |
| Actuator color | | Black |
| Actuator function | | Switching function latching Maintained |
| Actuator type | | Toggle |
| Number of switch positions | | 2 |
| Contacts | | |
| Control circuit reliability | | 1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA) |
| Communication | | |
| Connection to SmartWire-DT | | No |
| Design verification | | |
| Equipment heat dissipation, current-dependent Pvid | | 0 W |
| Heat dissipation capacity Pdis | | 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 | | 0 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. |
| 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. |

Technical data ETIM 9.0

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| Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222) | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss13-27-37-12-13 [AKF031019]) | | |
| Number of switch positions | | 2 |

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|---------------------------------------|--|----|---------|
| Type of control element | | | Toggle |
| Suitable for illumination | | | Yes |
| Colour control element | | | Black |
| Colour indicator light cap | | | White |
| Construction type lens | | | Square |
| Hole diameter | | mm | 16 |
| Width opening | | mm | 0 |
| Height opening | | mm | 0 |
| Switching function latching | | | Yes |
| Spring-return | | | No |
| With front ring | | | No |
| Material front ring | | | Plastic |
| Colour front ring | | | Black |
| Degree of protection (IP), front side | | | IP65 |
| Degree of protection (NEMA) | | | 1 |