

## Selector switch, 3 positions, white, maintained

Part no.                    **Q25WK3R1**  
                                   **072374**

| <b>General specifications</b>            |   |
|--|---|
| Product name                             | Eaton Moeller® series RMQ16 Changeover switch   |
| Part no.                                 | Q25WK3R1  |
| EAN                                      | 4015080723745   |
| Product Length/Depth                     | 65 millimetre   |
| Product height                           | 25 millimetre   |
| Product width                            | 25 millimetre   |
| Product weight                           | 0.015 kilogram  |
| Certifications                           | IEC/EN 60947<br>CE<br>CSA File No.: 46552<br>CSA Class No.: 3211-03<br>IEC/EN 60947-5<br>UL<br>UL Category Control No.: NKCR<br>UL 508<br>UL File No.: E29184<br>CSA<br>CSA-C22.2 No. 14-05 |
| Product Tradename                        | RMQ16   |
| Product Type                             | Changeover switch   |
| Product Sub Type                         | None  |
| Catalog Notes                            | Use of insulated ferrule ISH 2,8 > 24 V AC/DC recommended<br>Use of insulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unused blade terminals                            |
| <b>Features &amp; Functions</b>          |   |
| Bezel color                              | Black   |
| Bezel material                           | Plastic   |
| Design                                   | With thumb-grip   |
| Fitted with:                             | VS anti-rotation tab<br>Front ring  |
| <b>General information</b>               |   |
| 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  |
| Switching angle                          | 45 °  |
| Terminal capacity                        | 0.5 - 1.0 mm <sup>2</sup>   |
| Terminal size                            | 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors<br>2.8 x 0.8 mm to DIN 46244, Blade terminal  |
| Type                                     | Selector switch actuator  |
| <b>Ambient conditions, mechanical</b>    |   |
| 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  |
| <b>Climatic environmental conditions</b> |   |
| 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, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78   |
| <b>Electrical rating</b>   |  |  |
| Rated insulation voltage (Ui)  |  | 250 V  |
| Rated operational voltage (Ue) at AC - max                                       |  | 24 V   |
| <b>Actuator</b>  |  |  |
| Actuator color   |  | White  |
| Actuator function  |  | Maintained/momentary<br>Switching function latching  |
| Actuator type  |  | Toggle   |
| Number of switch positions   |  | 3  |
| <b>Contacts</b>  |  |  |
| Control circuit reliability  |  | 1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA)<br>1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA) |
| <b>Communication</b>   |  |  |
| Connection to SmartWire-DT   |  | No   |
| <b>Design verification</b>   |  |  |
| 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  |  | 3      |
| Type of control element   |  | Toggle |

|                                       |    |         |
|---------------------------------------|----|---------|
| Suitable for illumination             |    | No      |
| Colour control element                |    | White   |
| Colour indicator light cap            |    | Other   |
| 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                       |    | Yes     |
| Material front ring                   |    | Plastic |
| Colour front ring                     |    | Black   |
| Degree of protection (IP), front side |    | IP65    |
| Degree of protection (NEMA)           |    | 1       |