

## Key-operated actuator, 3 positions, black, maintained

**Part no.**                    **Q25S3R**  
**072378**

| <b>General specifications</b>            |  |   |
|--|--|---|
| Product name                             |  | Eaton Moeller® series RMQ16 Key-operated actuator   |
| Part no.                                 |  | Q25S3R  |
| EAN                                      |  | 4015080723783   |
| Product Length/Depth                     |  | 50 millimetre   |
| Product height                           |  | 25 millimetre   |
| Product width                            |  | 25 millimetre   |
| Product weight                           |  | 0.023 kilogram  |
| Certifications                           |  | IEC/EN 60947<br>CSA-C22.2 No. 14-05<br>UL Category Control No.: NKCR<br>CSA Class No.: 3211-03<br>CSA File No.: 46552<br>IEC/EN 60947-5<br>UL 508<br>UL<br>CSA<br>CE<br>UL File No.: E29184 |
| Product Tradename                        |  | RMQ16   |
| Product Type                             |  | Key-operated actuator   |
| 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                                   |  | Key operated  |
| Fitted with:                             |  | Front ring  |
| <b>General information</b>               |  |   |
| Accessories                              |  | 1 key included with supplied equipment.   |
| 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                         |  | 0.4 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 46244, Blade terminal<br>2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors  |
| Type                                     |  | Key-operated button   |
| <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, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30   |
| <b>Electrical rating</b>   |  |  |
| Rated insulation voltage (Ui)  |  | 250 V  |
| Rated operational voltage (Ue) at AC - max                                       |  | 24 V   |
| <b>Actuator</b>  |  |  |
| Actuator color   |  | Black  |
| Actuator function  |  | Maintained<br>Switching function latching<br>Key withdrawable in position 0<br>Key withdrawable in position 2  |
| Actuator type  |  | Key  |
| 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

|   |  |   |
|---|--|---|
| 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               |  |    | Key     |
| Suitable for illumination             |  |    | No      |
| Colour control element                |  |    | Black   |
| 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       |