
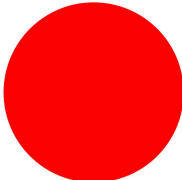




**Illuminated selector switch actuator, maintained/momentary, 45° 45°, 25 × 25 mm, 3 positions, With thumb-grip, red, with VS anti-rotation tab, without light elements, With base, W2x4,6d; max. 30 V, 1 W**

**Part no. Q25LWK3R1-RT**  
**Catalog No. 072365**  
**Alternate Catalog No. Q25LWK3R1-RT**

## Delivery program

|                            |  |  |   |
|----------------------------|--|--|---|
| Product range              |  |  | RMQ16   |
| Basic function             |  |  | Illuminated selector switch actuator  |
| Single unit/Complete unit  |  |  | Single unit   |
| Design                     |  |  | With thumb-grip<br>maintained/momentary   |
| <b>Function:</b>           |  |  |   |
| Description                |  |  | 45°  45°<br>with VS anti-rotation tab<br>without light elements<br>With base, W2x4,6d; max. 30 V, 1 W<br>3 positions |
| <b>Colour</b>              |  |  |   |
| Thumb-grip                 |  |  | red<br>  |
| Degree of Protection       |  |  | IP65  |
| Front ring                 |  |  | without bezel   |
| Connection to SmartWire-DT |  |  | no  |
| Front dimensions           |  |  | 25 × 25 mm  |

## Technical data

### General

|                                    |              |                   |  |
|------------------------------------|--------------|-------------------|--|
| Standards                          |              |                   | IEC/EN 60947   |
| Lifespan, mechanical               | Operations   | x 10 <sup>6</sup> | > 3  |
| Operating frequency                | Operations/h |                   | ≤ 1800   |
| Operating torque                   |              | Nm                | ≤ 0.2  |
| Degree of protection, IEC/EN 60529 |              |                   | IP65   |
| Climatic proofing                  |              |                   | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| Ambient temperature                |              |                   |  |
| Open                               |              | °C                | -25 - +60  |
| Enclosed                           |              | °C                | - 25 - 40  |
| Mounting position                  |              |                   | As required  |
| Mechanical shock resistance        |              | g                 | > 40<br>according to IEC 60068-2-27<br>Shock duration 11 ms<br>Sinusoidal      |
| Terminal capacities                |              | mm <sup>2</sup>   | 0.5 - 1.0  |
| Blade terminal                     |              |                   | 2.8 x 0.8 mm to DIN 46244  |
| Fast-on connectors                 |              |                   | 2.8 x 0.8 mm to DIN 46247 and IEC 60760  |

### Contacts

|                                 |                  |      |     |
|---------------------------------|------------------|------|-----|
| Rated impulse withstand voltage | U <sub>imp</sub> | V AC | 800 |
| Rated insulation voltage        | U <sub>i</sub>   | V    | 250 |

|                                       |       |                   |  |
|---------------------------------------|-------|-------------------|--|
| Overvoltage category/pollution degree |       |                   | III/3  |
| Rated operational voltage             | $U_e$ | V AC              | 24   |
| Control circuit reliability           |       |                   |  |
| at 24 V DC/5 mA                       | $H_F$ | Fault probability | $< 10^{-7}$ (i.e. 1 failure to $10^7$ operations)  |
| at 5 V DC/1 mA                        | $H_F$ | Fault probability | $< 5 \times 10^{-6}$ (1 failure in $5 \times 10^6$ operations)                               |
| Use of insulated ferrule ISH 2,8      |       |                   | >24 V AC/DC recommended<br>>50 V AC or 120 V DC is mandatory, even on unused blade terminals |

## Design verification as per IEC/EN 61439

|  |            |    |  |
|--|------------|----|--|
| Technical data for design verification   |            |    |  |
| Rated operational current for specified heat dissipation   | $I_n$      | A  | 0  |
| Heat dissipation per pole, current-dependent   | $P_{vid}$  | W  | 0  |
| Equipment heat dissipation, current-dependent  | $P_{vid}$  | W  | 0  |
| Static heat dissipation, non-current-dependent   | $P_{vs}$   | W  | 0  |
| Heat dissipation capacity  | $P_{diss}$ | W  | 0  |
| Operating ambient temperature min.   |            | °C | -25  |
| Operating ambient temperature max.   |            | °C | 60   |
| IEC/EN 61439 design verification   |            |    |  |
| 10.2 Strength of materials and parts   |            |    |  |
| 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties   |            |    |  |
| 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 7.0

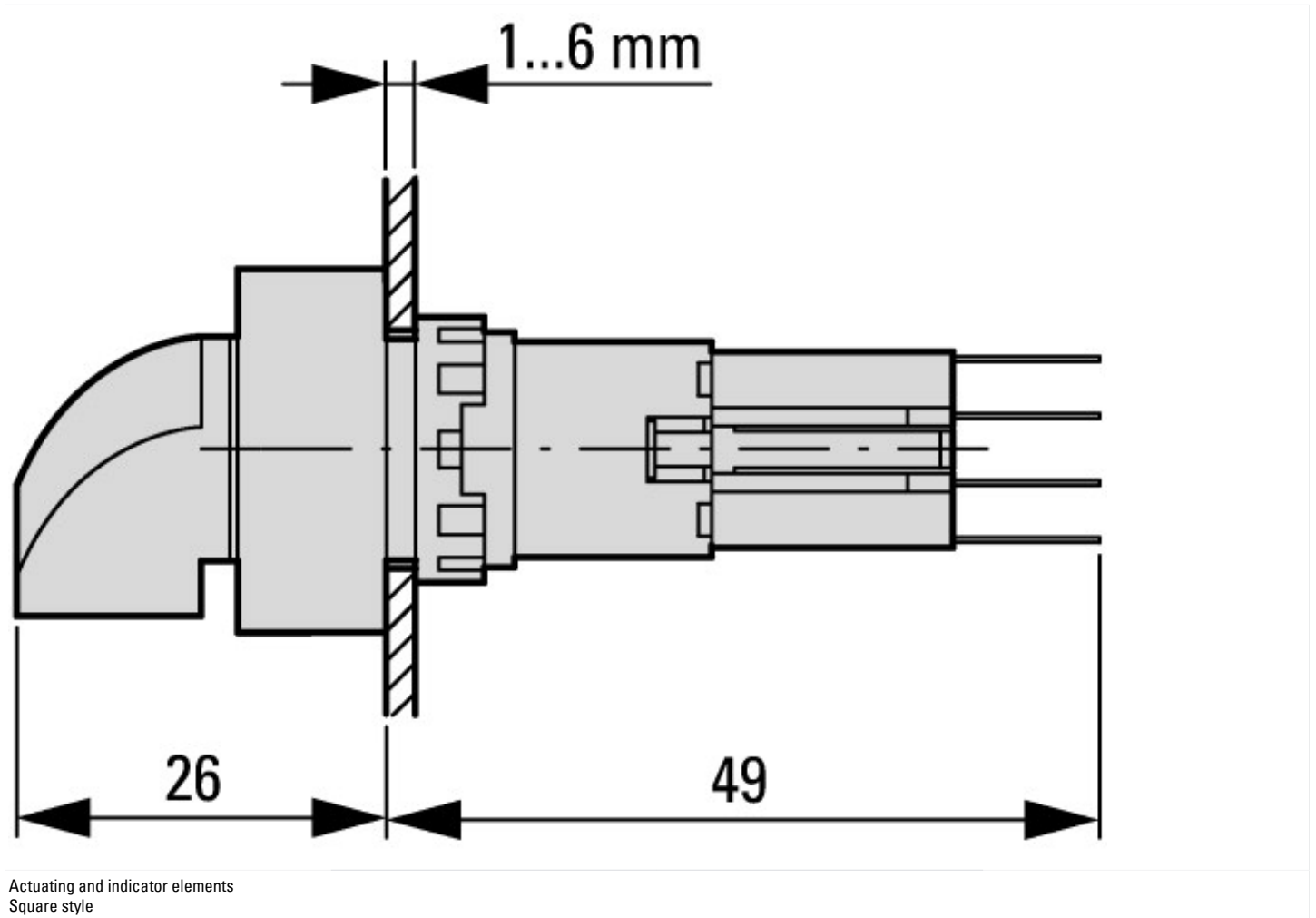
|   |  |  |        |
|---|--|--|--------|
| Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222)   |  |  |        |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss10.0.1-27-37-12-13 [AKF031014]) |  |  |        |
| Number of switch positions  |  |  | 3      |
| Type of control element   |  |  | Toggle |
| Suitable for illumination   |  |  | Yes    |
| Colour control element  |  |  | Black  |
| Colour indicator light cap  |  |  | Red    |
| Construction type lens  |  |  | Square |

|                                       |    |         |
|---------------------------------------|----|---------|
| Hole diameter                         | mm | 16      |
| Width opening                         | mm | 0       |
| Height opening                        | mm | 0       |
| Switching function latching           |    | Yes     |
| Spring-return                         |    | Yes     |
| With front ring                       |    | Yes     |
| Material front ring                   |    | Plastic |
| Colour front ring                     |    | Black   |
| Degree of protection (IP), front side |    | IP65    |
| Degree of protection (NEMA)           |    | 1       |

## Approvals

|                             |  |   |
|-----------------------------|--|---|
| Product Standards           |  | IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CE marking |
| UL File No.                 |  | E29184  |
| UL Category Control No.     |  | NKCR  |
| CSA File No.                |  | 46552   |
| CSA Class No.               |  | 3211-03   |
| North America Certification |  | UL listed, CSA certified                                |
| Degree of Protection        |  | UL/CSA Type 1   |

## Dimensions



## Assets (links)

### Declaration of CE Conformity

00002898

### Instruction Leaflets

IL04716016Z2018\_05

## Additional product information (links)

### IL04716016Z (AWA1160-1429) Mounting of components

IL04716016Z (AWA1160-1429) Mounting of components

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL04716016Z2018\\_05.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2018_05.pdf)