

## Selector switch, 2 positions, white, momentary

**Part no.** Q18WK1  
**Catalog No.** 036515  
**Alternate Catalog No.** Q18WK1



## Delivery program

|                            |   |  |
|----------------------------|---|--|
| Product range              |   | RMQ16                                    |
| Basic function             |   | Selector switch actuators                |
| Mounting hole diameter     | Ø | mm 16                                    |
| Single unit/Complete unit  |   | Single unit                              |
| Design                     |   | With thumb-grip<br>momentary             |
| <b>Function:</b>           |   |  |
|                            |   | ↗ 45°                                    |
| Description                |   | with VS anti-rotation tab<br>2 positions |
| <b>Colour</b>              |   |  |
| Thumb-grip                 |   | White                                    |
| Degree of Protection       |   | IP65                                     |
| Front ring                 |   | without bezel                            |
| Connection to SmartWire-DT |   | no                                       |

## Technical data

## General

|                                    |                          |  |
|------------------------------------|--------------------------|--|
| Standards                          |                          | IEC/EN 60947   |
| Lifespan, mechanical               | Operations $\times 10^6$ | > 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 <sub>e</sub>   | V AC              | 24  |
| Control circuit reliability           |                  |                   |   |
| at 24 V DC/5 mA                       | H <sub>F</sub>   | Fault probability | < 10 <sup>-7</sup> , < 1 failure in 10 <sup>7</sup> operations                                      |
| at 5 V DC/1 mA                        | H <sub>F</sub>   | Fault probability | < 5 x 10 <sup>-6</sup> , < 1 failure in 5 x 10 <sup>6</sup> operations                              |
| Use of insulated ferrule ISH 2,8      |                  |                   | On >24 V AC/DC recommended<br>On >50 V AC or 120 V DC mandatory, also on unoccupied 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 8.0

|   |    |    |         |
|---|----|----|---------|
| 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  |    |    | 2       |
| 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   |    |    | No      |
| Spring-return   |    |    | Yes     |
| With front ring   |    |    | Yes     |
| Material front ring   |    |    | Plastic |
| Colour front ring   |    |    | Black   |
| Degree of protection (IP), front side   |    |    | IP65    |

