
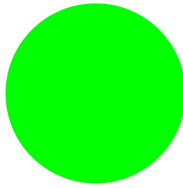






## Illuminated selector switch actuator, 3 positions, green, momentary

**Part no.** Q18LWK3-GN  
**Catalog No.** 072324  
**Eaton Catalog No.** Q18LWK3-GN

### Delivery program

|                            |  |  |  |
|----------------------------|--|--|--|
| Product range              |  |  | RMQ16  |
| Basic function             |  |  | Illuminated selector switch actuator   |
| Single unit/Complete unit  |  |  | Single unit  |
| Design                     |  |  | With thumb-grip<br>momentary   |
| <b>Function:</b>           |  |  |  |
|                            |  |  | 45°  45°                |
| Description                |  |  | 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                 |  |  | green  |
|                            |  |  |                       |
| Degree of Protection       |  |  | IP65   |
| Connection to SmartWire-DT |  |  | no   |
| Front dimensions           |  |  | 18 x 18 mm   |

### Technical data

|                                    |              |                   |  |
|------------------------------------|--------------|-------------------|--|
| <b>General</b>                     |              |                   |  |
| 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 <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> (i.e. 1 failure to 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 |                |                   | >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 <sub>n</sub>    | A  | 0  |
| Heat dissipation per pole, current-dependent   | P <sub>vid</sub>  | W  | 0  |
| Equipment heat dissipation, current-dependent  | P <sub>vid</sub>  | W  | 0  |
| Static heat dissipation, non-current-dependent   | P <sub>vs</sub>   | W  | 0  |
| Heat dissipation capacity  | P <sub>diss</sub> | 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 6.0

| 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 (ec!@ss8.1-27-37-12-13 [AKF031011]) |  |    |        |
| Number of switch positions   |  |    | 3      |
| Type of control element  |  |    | Toggle |
| Suitable for illumination  |  |    | Yes    |
| Colour control element   |  |    | Black  |
| Colour indicator light cap   |  |    | Green  |
| Construction type lens   |  |    | Square |
| Hole diameter  |  | mm | 16     |
| Width opening  |  | mm | 0      |
| Height meter opening   |  | mm | 0      |

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

## 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



## Additional product information (links)

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

IL04716016Z (AWA1160-1429) Mounting of components [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL04716016Z2011\\_03.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2011_03.pdf)