# DATASHEET - Q18LX/WB

**Indicator light, without lens, + GI 24V**

| | |
|---|---|
| **Part no.** | **Q18LX/WB** |
| **Catalog No.** | **051741** |
| **Alternate Catalog No.** | **Q18LX-WB** |

Powering Business Worldwide™

## Delivery program

| | | | |
|---|---|---|---|
| Product range | | | RMQ16 |
| Basic function | | | Indicator lights |
| Single unit/Complete unit | | | Single unit |
| Degree of Protection | | | IP65 |
| Connection to SmartWire-DT | | | no |

## Technical data

### General

| | | | |
|---|---|---|---|
| Standards | | | IEC/EN 60947 |
| Degree of protection, IEC/EN 60529 | | | IP65 |
| 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 | | $mm^2$ | 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 | $U_{imp}$ | V AC | 800 |
| Rated insulation voltage | $U_i$ | V | 250 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated operational voltage | $U_e$ | V AC | 24 |
| 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 | 1 |
| 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 | | | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 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) / Indicator light complete (EC000272) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Indicator light complete (ecl@ss10.0.1-27-37-12-23 [AKF041014]) | | | |
| Number of indicator lights | | | 1 |
| Colour lens | | | Without hood |
| Type of lamp socket | | | W2 x 4.6 |
| With light source | | | No |
| Rated operating voltage Ue | | V | 0 - 24 |
| Voltage type | | | AC/DC |
| Type of electric connection | | | Flat plug-in connection |
| Construction type lens | | | Square |
| Type of lens | | | Flat |
| Hole diameter | | mm | 16 |
| Width opening | | mm | 0 |
| Height opening | | mm | 0 |
| With front ring | | | Yes |
| Material front ring | | | Plastic |
| Colour front ring | | | Black |
| Degree of protection (IP) | | | IP65 |
| Degree of protection (NEMA) | | | 1 |

## Assets (links)

### Declaration of CE Conformity

00002898