



## Illumination function element, SmartWire-DT, LED, green, front mount

**EATON**<sup>®</sup>

Powering Business Worldwide™



Part no. **M22-SWD-LED-G**  
Article no. **115968**  
Catalog No. **M22-SWD-LED-GQ**

### Delivery program

|                            |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|
| Product range              |   | SWD RMQ connections   |   |   |   |   |   |   |
| Basic function             |   | LED elements  |   |   |   |   |   |   |
| Function                   |   | for combination with RMQ-Titan operating elements M22-...                                       |   |   |   |   |   |   |
| Fixing                     |   | Front fixing  |   |   |   |   |   |   |
| Configuration              |   | <table border="1"><tr><td>1</td><td>4</td><td>3</td><td>6</td><td>2</td><td>5</td></tr></table> | 1 | 4 | 3 | 6 | 2 | 5 |
| 1                          | 4 | 3   | 6 | 2 | 5 |   |   |   |
| Colour                     |   | green   |   |   |   |   |   |   |
|                            |   |   |   |   |   |   |   |   |
| Connection to SmartWire-DT |   | yes   |   |   |   |   |   |   |

### Technical data

#### General

|                        |    |                            |
|------------------------|----|----------------------------|
| Standards              |    | IEC/EN 61131-2<br>EN 50178 |
| Dimensions (W x H x D) | mm | 10 x 42 x 45               |
| Weight                 | g  | 10                         |
| Mounting position      |    | As required                |

#### Ambient conditions, mechanical

|  |             |           |
|--|-------------|-----------|
| Protection type (IEC/EN 60529, EN50178, VBG 4)                             |             | IP20      |
| Vibrations (IEC/EN 61131-2:2008)   |             |           |
| Constant amplitude 3,5 mm  | Hz          | 5 - 8.4   |
| Constant acceleration 1 g  | Hz          | 8.4 - 150 |
| Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms | Impacts     | 9         |
| Drop to IEC/EN 60068-2-31  | Drop height | mm        |
| Free fall, packaged (IEC/EN 60068-2-32)                                    | m           | 50        |
|  |             | 0.3       |

#### Electromagnetic compatibility (EMC)

|   |     |                  |
|---|-----|------------------|
| Overtoltage category                          |     | Not applicable   |
| Pollution degree                              |     | 2                |
| Electrostatic discharge (IEC/EN 61131-2:2008) |     |                  |
| Air discharge (Level 3)                       | kV  | 8                |
| Contact discharge (Level 2)                   | kV  | 4                |
| Electromagnetic fields (IEC/EN 61131-2:2008)  |     |                  |
| 80 - 1000 MHz                                 | V/m | 10               |
| 1.4 - 2 GHz                                   | V/m | 3                |
| 2 - 2.7 GHz                                   | V/m | 1                |
| Radio interference suppression (SmartWire-DT) |     | EN 55011 Class A |
| Burst (IEC/EN 61131-2:2008, Level 3)          |     |                  |
| Supply cable                                  | kV  | 2                |
| SmartWire-DT cable                            | kV  | 1                |

**Climatic environmental conditions**

|   |     |        |   |
|---|-----|--------|---|
| Relative humidity                                     |     |        |   |
| Condensation  |     |        | Take appropriate measures to prevent condensation |
| Relative humidity, non-condensing (IEC/EN 60068-2-30) | %   | 9 - 95 |   |
| <b>SmartWire-DT network</b>                           |     |        |   |
| Station type  |     |        | SmartWire-DT slave                                |
| Status indication                                     | LED |        | Green   |
| Connections   |     |        | Plug, 8-pole                                      |
| Plug connectors                                       |     |        | SWD4-8SF2-5                                       |

**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  | 0.3  |
| Heat dissipation capacity  | P <sub>diss</sub> | W  | 0  |
| Operating ambient temperature min.   |                   | °C | -30  |
| Operating ambient temperature max.   |                   | °C | 70   |
| 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   |                   |    | Meets the product standard's requirements.   |
| 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 6.0**

Low-voltage industrial components (EG000017) / Lamp holder block for control circuit devices (EC000204)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Bulb socket block for command and alarm devices (ecl@ss8.1-27-37-12-09 [AKF027011])

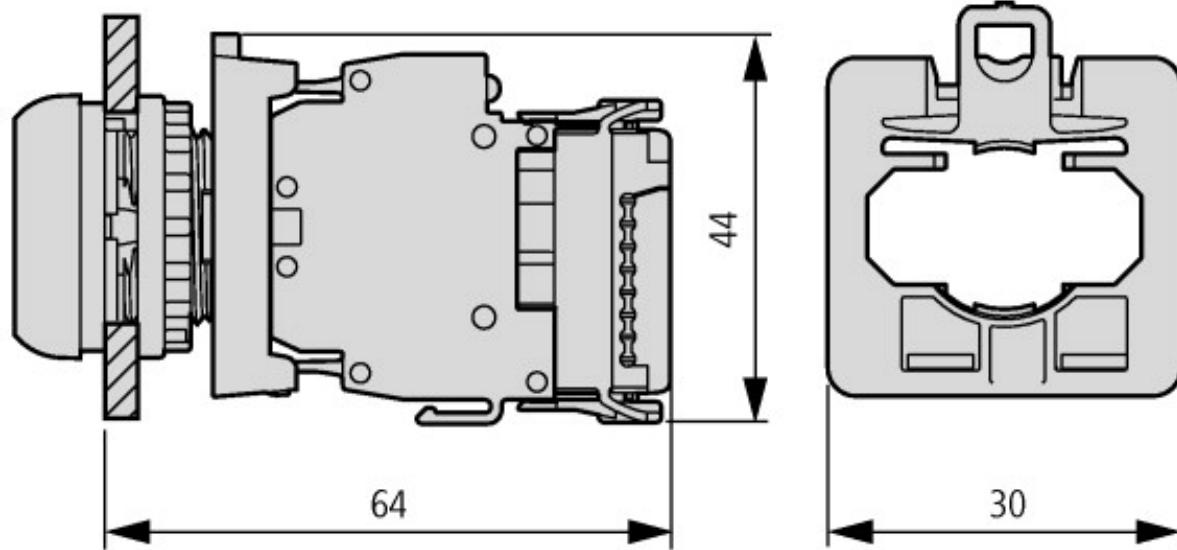
|   |  |     |
|---|--|-----|
| With integrated transformer                 |  | No  |
| With integrated voltage decreasing resistor |  | No  |
| With integrated lamp                        |  | Yes |
| With integrated diode                       |  | No  |

|                                   |   |                         |
|-----------------------------------|---|-------------------------|
| Lamp holder                       |   | None                    |
| Rated voltage Ue at AC 50 Hz      | V | 0 - 0                   |
| Rated voltage Ue at AC 60 Hz      | V | 0 - 0                   |
| Rated voltage Ue at DC            | V | 30 - 30                 |
| Voltage type for actuating        |   | DC                      |
| Type of lamp                      |   | LED                     |
| Connection type auxiliary circuit |   | Flat plug-in connection |
| Colour lamp                       |   | Green                   |
| Type of fastening                 |   | Front fastening         |

## Approvals

|                                      |                          |
|--------------------------------------|--------------------------|
| UL File No.                          | E29184                   |
| UL Category Control No.              | NKCR                     |
| CSA File No.                         | 2324643                  |
| CSA Class No.                        | 3211-07                  |
| North America Certification          | UL listed, CSA certified |
| Specially designed for North America | No                       |

## Dimensions



Pushbutton with function element

## Additional product information (links)

### IL04716004Z (AWA1160-2511) SmartWire-DT: RMQ-Titan

IL04716004Z (AWA1160-2511) SmartWire-DT: [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL04716004Z2015\\_02.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716004Z2015_02.pdf)

### MN05006001Z (AWB2723-1613) SWD modules

MN05006001Z (AWB2723-1613) SWD-Teilnehmer - Deutsch [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006001Z\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_DE.pdf)

MN05006001Z (AWB2723-1613) SWD modules - English [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006001Z\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_EN.pdf)

MN05006001Z (AWB2723-1613) udente SWD - italiano [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006001Z\\_IT.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_IT.pdf)

### MN05006002Z (AWB2723-1617) SmartWire-DT, The system

MN05006002Z (AWB2723-1617) SmartWire-DT, Das System - Deutsch [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf)

MN05006002Z (AWB2723-1617) SmartWire-DT, The system - English [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf)

MN05006002Z (AWB2723-1617) SmartWire-DT, il sistema - italiano [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_IT.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf)