



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

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><tr><td>1</td><td>3</td><td>2</td></tr><tr><td>4</td><td>6</td><td>5</td></tr></table> <div></div> | 1 | 3 | 2 | 4 | 6 | 5 |
| 1 | 3 | 2 | | | | | | | |
| 4 | 6 | 5 | | | | | | | |
| Colour | | | | | | | | | |
| | | | green | | | | | | |
| | | | <div></div> | | | | | | |
| Connection to SmartWire-DT | | | yes | | | | | | |

Technical data

General

| | | | |
|------------------------|--|----|----------------------------|
| Standards | | | IEC/EN 61131-2 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 | 50 |
| Free fall, packaged (IEC/EN 60068-2-32) | | m | 0.3 |

Electromagnetic compatibility (EMC)

| | | | |
|---|--|-----|------------------|
| Overvoltage 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 |

| | | |
|---|---|----|
| Radiated RFI (IEC/EN 61131-2:2008, Level 3) | V | 10 |
|---|---|----|

Climatic environmental conditions

| | | | |
|---|--|---|---|
| Relative humidity | | | |
| Condensation | | | Take appropriate measures to prevent condensation |
| Relative humidity, non-condensing (IEC/EN 60068-2-30) | | % | 9 - 95 |

SmartWire-DT network

| | | | |
|-------------------|--|-----|--------------------|
| 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 _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 | 0.3 |
| Heat dissipation capacity | P _{diss} | 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

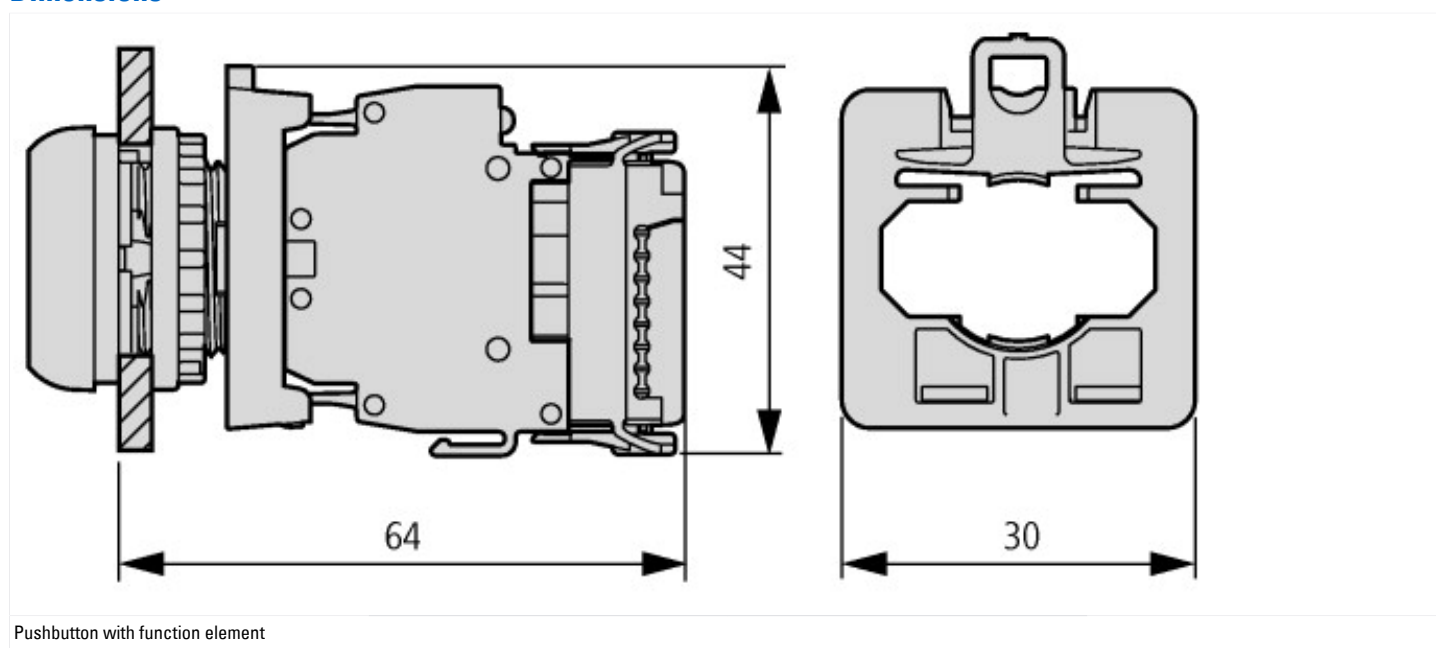
| | | | |
|--|--|--|-----|
| Low-voltage industrial components (EG000017) / Lamp holder block for control circuit devices (EC000204) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Bulb socket block for command and alarm devices (ecI@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



Additional product information (links)

| | |
|--|---|
| IL04716004Z (AWA1160-2511) SmartWire-DT: RMQ-Titan | |
| IL04716004Z (AWA1160-2511) SmartWire-DT: RMQ-Titan | 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 |
| MN05006001Z (AWB2723-1613) SWD modules - English | 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 |
| 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 |
| MN05006002Z (AWB2723-1617) SmartWire-DT, The system - English | 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 |