



Function element, for combination with RMQ-Titan operating elements M22-..., 1 changeover contact, Base fixing, green



Part no. **M22-SWD-K11LEDC-G**
 Catalog No. **116005**
 Alternate Catalog No. **M22-SWD-K11LEDC-GQ**
 EL-Nummer (Norway) **4355028**

Delivery program

| | | |
|--|--|---|
| Basic function accessories | | Function elements |
| Function | | for combination with RMQ-Titan operating elements M22-... |
| Contacts | | 1 changeover contact |
| Fixing | | Base fixing |
| Contact sequence | | |
| Contact travel diagram stroke in connection with front element | | |
| Configuration | | |
| Colour | | |
| Connection to SmartWire-DT | | yes |

Technical data

General

| | | |
|------------------------|----|----------------------------|
| Standards | | IEC/EN 61131-2 EN 50178 |
| Dimensions (W x H x D) | mm | 12 x 45 x 42 |
| 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

| | | | |
|---|--|----|---|
| Ambient temperature | | | |
| Operating ambient temperature (IEC 60068-2) | | °C | -30 - +55 |
| Storage | | °C | -40 - +80 |
| 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 |
| Address allocation | | | automatic |
| Status indication | | LED | Green |
| Connections | | | Plug, 8-pole |
| Plug connector | | | M22-SWD-1...LP |

Fieldbus interface

| | | | |
|-------------------|--|--|-----------|
| Baud rate setting | | | automatic |
|-------------------|--|--|-----------|

Functions

| | | | |
|-------------------------|--|-----|-------------|
| Switching state display | | LED | Yes |
| Diagnostics | | | Yes |
| Fixing | | | Base fixing |

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 | 55 |
| 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 7.0

| | | |
|--|---|-------------------------|
| Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041) | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss10.0.1-27-37-13-02 [AKN342013]) | | |
| Number of contacts as change-over contact | | 0 |
| Number of contacts as normally open contact | | 1 |
| Number of contacts as normally closed contact | | 1 |
| Number of fault-signal switches | | 0 |
| Rated operation current I _e at AC-15, 230 V | A | 0 |
| Type of electric connection | | Flat plug-in connection |
| Model | | Top mounting |
| Mounting method | | Front fastening |
| Lamp holder | | LED not exchangeable |

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 |

Assets (links)

Declaration of CE Conformity

00002530

Instruction Leaflets

IL04716004Z2018_06

Manuals

MN05006001Z_EN (English)

MN05006002Z_EN (English)

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/IL04716004Z2019_10.pdf |
| SmartWire-DT manual, SWD module IP20 MN05006001Z | |
| Handbuch SmartWire-DT, SWD-Modul IP20 MN05006001Z - Deutsch | ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_DE.pdf |
| SmartWire-DT manual, SWD module IP20 MN05006001Z - English | ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_EN.pdf |

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|---|---|
| Manuale SmartWire-DT, modulo SWD IP20 MN05006001Z - 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 |