

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



Part no. **M22-SWD-K11**
Catalog No. **115964**
Alternate Catalog No. **M22-SWD-K11Q**
EL-Nummer **4355000**
(Norway)

Delivery program

| | | | |
|----------------------------|--|--|-----------------------------------------------------------|
| Basic function accessories | | | Function elements |
| Function | | | for combination with RMQ-Titan operating elements M22-... |
| Contacts | | | 1 changeover contact |
| Fixing | | | Front fixing |
| Connection to SmartWire-DT | | | yes |

Technical data

General

| | | | |
|-------------------------|--|----|----------------------------|
| Standards | | | IEC/EN 61131-2 EN 50178 |
| Approvals | | | |
| shipping classification | | | BV LRS |
| Dimensions (W x H x D) | | mm | 12 x 42 x 39 |
| 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)

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|-----------------------------------------------|--|-----|------------------|
| 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 - +70 |
| 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 | | Green LED |
| Connections | | Plug, 8-pole |
| Plug connector | | SWD4-8SF2-5 |
| Fieldbus interface | | |
| Baud rate setting | | automatic |
| Functions | | |
| Switching state display | LED | No |
| Diagnostics | | Yes |
| Fixing | | Front fixing |

Design verification as per IEC/EN 61439

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|------------------------------------------------------------------------------------------------------------------------|-------------------|----|----------------------------------------------------------------------------------------------------------------------------------|
| 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 8.0

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| 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 (ecI@ss10.0.1-27-37-13-02 [AKN342013]) |

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|--------------------------------------------------------|--|---|-------------------------|
| Number of contacts as change-over contact | | | 1 |
| 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 | | | None |