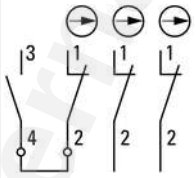
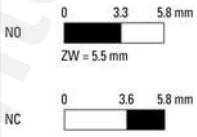


**Part no.** M22-AFK03SMC10
**Article no.** 180794
**Catalog No.** M22-AFK03SMC10

Powering Business Worldwide

## Delivery programme

| | | | |
|---|---|---|---|
| Product range | | | RMQ-Titan (drilling dimensions 22.5 mm) |
| Basic function | | | Accessories |
| Single unit/Complete unit | | | Element |
| Basic function accessories | | | Contact elements |
| Connection technique | | | Push in terminals |
| Fixing | | | Front fixing |
| Description | | | The N/O is actuated when mounted with M22-XSMC. |
| **Contacts** | | | |
| N/C = Normally closed | | | 3 NC |
| Notes | | | = safety function, by positive opening to IEC/EN 60947-5-1 |
| **Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1** | | | |
| | mm | | 5.5 |
| Maximum travel | mm | | 5.8 |
| Minimum force for positive opening | N | | 60 |
| Contact sequence | | |  |
| Contact travel diagram, stroke in connection with front element | | |  |
| Degree of Protection | | | IP20 |
| Connection to SmartWire-DT | | | no |

## Technical data

### General

| | | | |
|---|---|---|---|
| Standards | | | IEC 60947-5-1 |
| Lifespan, mechanical | Operations | x $10^6$ | > 1 |
| Operating frequency | Operations/h | | 3600 |
| Actuating force | | n | 13.5 |
| Degree of Protection | | | IP20 |
| Climatic proofing | | | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30<br>Dry heat to IEC 60068-2-2 |
| Ambient temperature | | | |
| Open | | °C | -25 - +70 |
| Storage | | °C | - 40 - + 85 |
| Terminal capacities | | $mm^2$ | |
| Solid | | $mm^2$ | 2 x 1 (0.2 - 1.5)<br>2 x 1 (075 - 1.5) Can be plugged without tools |
| Flexible with ferrule | | $mm^2$ | 2 x 1 (0.25 - 1)<br>Use WAGO Variocrimp 4 crimping tool; please enquire for others |
| Solid or stranded | | AWG | 2 x 1 (24 - 16) |

### Contacts

| | | | |
|---|---|---|---|
| Rated impulse withstand voltage | $U_{imp}$ | V AC | 4000 |

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| | | | |
|---|---|---|---|
| Rated insulation voltage | $U_i$ | V | 250 |
| Overvoltage category/pollution degree | | | III/3 |
| Max. short-circuit protective device | | | |
| Fuseless | | Type | FAZ-B4 |
| Fuse | gG/gL | A | 4 |

### Switching capacity

| | | | |
|---|---|---|---|
| Rated operational current | $I_e$ | A | |
| AC-15 | | | |
| 24 V | $I_e$ | A | 4 |
| 60 V | $I_e$ | A | 4 |
| 230 V | $I_e$ | A | 1.5 |
| DC-13 | | | |
| 24 V | $I_e$ | A | 1.5 |
| 60 V | $I_e$ | A | 0.8 |
| 110 V | $I_e$ | A | 0.4 |
| 220 V | $I_e$ | A | 0.2 |

### Auxiliary contacts

| | | | |
|---|---|---|---|
| Rated conditional short-circuit current | Iq | kA | 1 |

## Design verification as per IEC/EN 61439

| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 70 |

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