

RMQ Titan

Technical Data

| | | | Contact elements | LED elements | Pushbutton operators Mushroom-head pushbutton operators | Double pushbutton operators | Selector switches Illuminated selector switches |
|---|--------------------------|-------------------|---|-----------------------|--|-----------------------------|--|
| General technical data | | | | | | | |
| Standards | | | UL, CSA, IEC/EN 60 947, VDE 0660, CE | | | | |
| Lifespan, mechanical | Operations | × 10 ⁶ | 5 | – | 5 | 0.2 | 0.1 |
| Maximum operating frequency | | Ops/h | 3600 | – | 3600 | 3600 | 2000 |
| Operating force | | N | ≦ 5 | – | ≦ 5 | ≦ 5 | – |
| Operating torque | | Nm | – | – | – | – | ≦ 0,3 |
| Degree of protection to | IEC/EN 60 529 UL/CSA | | IP20 | IP20 | IP66 12, 3R, 4X, 13 | IP65 12, 3R, 4X, 13 | IP66 12, 3R, 4X, 13 |
| Climatic proofing | | | Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-2-30 | | | | |
| Ambient temperature | Min./Max. | °C | –25/+70 | –25/+70 ¹⁾ | –25/+70 | –25/+70 | –25/+70 |
| Mounting position | | | As required | As required | As required | As required | As required |
| Mechanical shock resistance to IEC 60 068-2-27 (half-sinusoidal shock, duration 11 ms) | | | g | . 30 | . 30 | . 30 | . 30 |
| Terminal capacity, Cu only, 1 or 2 wire | | | | | | | |
| | screw terminal | AWG | 12...18 | 12...18 | – | – | – |
| | cage clamp ²⁾ | AWG | 14...22 | 14...22 | – | – | – |
| Dimensions | | | → Page 05/080 | – | → Page 05/079 | → Page 05/079 | → Page 05/079 |
| Contacts, IEC data | | | | | | | |
| Rated impulse withstand voltage U_{imp} | | | V | 6000 | 6000 | – | – |
| Rated insulation voltage U_i | | | V | 500 | 500 | – | – |
| Overvoltage category/ pollution degree | | | | III/3 | III/3 | – | – |
| Control circuit reliability at | | | | | | | |
| 24 V DC/5 mA | Fault probability H_F | | < 10 ⁻⁷ , < 1 fault in 10 ⁷ operations | | | | |
| 5 V DC/1 mA | Fault probability H_F | | < 5 × 10 ⁻⁶ , < 1 fault in 5 × 10 ⁶ operations | | | | |
| Maximum short-circuit protective device | | | | | | | |
| Fuseless | Type | | PKZM0–10/ FAZ-B6 | – | – | – | – |
| Fuse | A gG/gL | | 10 | – | – | – | – |
| Switching capacity, IEC data | | | | | | | |
| Rated operational current I_e | | | | | | | |
| AC-15 | | | | | | | |
| 115 V | A | | 6 | – | – | – | – |
| 230 V | A | | 6 | – | – | – | – |
| 400 V | A | | 4 | – | – | – | – |
| 500 V | A | | 2 | – | – | – | – |
| DC-13 | | | | | | | |
| 24 V | A | | 3 | – | – | – | – |
| 42 V | A | | 1,7 | – | – | – | – |
| 60 V | A | | 1.2 | – | – | – | – |
| 110 V | A | | 0.8 | – | – | – | – |
| 220 V | A | | 0.3 | – | – | – | – |
| Lifespan, electrical | | | | | | | |
| AC-15 | | | | | | | |
| 230 V/0.5 A | Operations | × 10 ⁶ | 1.6 | – | – | – | – |
| 230 V/1.0 A | Operations | × 10 ⁶ | 1.0 | – | – | – | – |
| 230 V/3.0 A | Operations | × 10 ⁶ | 0.7 | – | – | – | – |
| DC-13 | | | | | | | |
| 12 V/2.8 A | Operations | × 10 ⁶ | 1.2 | – | – | – | – |

Notes

1) > 200 V AC/60 Hz: –25/+55 °C

2) Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH, Minden, Germany

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Technical Data

| | | | Key-operated selector switches | Indicating lights | Illuminated pushbutton operators Pushbutton operators Mushroom-head push-button operators maintained | Emergency-Stop operators |
|--|------------|-------------------|---|-------------------|--|--------------------------|
| General technical data | | | | | | |
| Standards | | | UL, CSA, IEC/EN 60 947, VDE 0660, CE | | | |
| Lifespan, mechanical | Operations | × 10 ⁶ | 0.1 | – | 1 | 0.1 |
| Maximum operating frequency | | Ops/h | 100 | – | 1800 | 600 |
| Operating force | | N | – | – | ≤ 5 | ≤ 50 |
| Operating torque | | Nm | ≤ 0,5 | – | – | – |
| Degree of protection to IEC/EN 60 529 | | | IP66 | IP66 | IP66 | IP66 |
| Climatic proofing | | | Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-2-30 | | | |
| Ambient temperature | Min./Max. | °C | –25/+70 | –25/+70 | –25/+70 | –25/+70 |
| Mounting position | | | As required | As required | As required | As required |
| Mechanical shock resistance to IEC 60 068-2-27 (half-sinusoidal shock, duration 11 ms) | | g | . 30 | . 30 | . 30 | . 50 |
| Dimensions | | | → Page 05/079 | → Page 05/079 | → Page 05/079 | → Page 05/079 |

| Electrical ratings, UL/CSA data | | | Contact elements |
|---|--|--|---------------------------------|
| Pilot duty ratings above 300 V AC same polarity | | | A 600 P 300 |
| General Use | | | 10A @ 600 V AC 1A @ 250 V DC |

| | | | FAK Foot and Palm Switches | |
|--|------------|-------------------|---|---------------------|
| | | | Spring-return | Maintained |
| General technical data | | | | |
| Standards | | | UL/CSA, IEC/EN 60947, VDE 0660, CE | |
| Lifespan, mechanical | Operations | × 10 ⁶ | 1 | 0.1 |
| Maximum operating frequency | | Ops./h | 3600 | 600 |
| Operating force | | Nm | ≤ 40 | ≤ 60 |
| Environmental rating | | | IP 67, 69K, Type 4X | IP 67, 69K, Type 4X |
| Climatic proofing | | | Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-2-30 | |
| Ambient temperature | | ° C | –25/+40 | –25/+40 |
| Mechanical shock resistance to IEC 60 068-2-27 (half-sinusoidal shock, duration 11 ms) | | g | > 15 | > 15 |
| Dimensions | | | → Page 05/080 | → Page 05/080 |