



Changeover switch, RMQ-Titan, With thumb-grip, maintained, 2 positions, Bezel: titanium

Part no. M22-WRK

216867

**EL Number
(Norway)**

4355317

| General specifications | |
|---------------------------------------|--|
| Product name | Eaton Moeller® series M22 Changeover switch |
| Part no. | M22-WRK |
| EAN | 4015082168674 |
| Product Length/Depth | 46 millimetre |
| Product height | 30 millimetre |
| Product width | 30 millimetre |
| Product weight | 0.013 kilogram |
| Compliances | CE Marked |
| Certifications | EN 60947-5 UL 508 CSA Std. C22.2 No. 14-05 IEC 60947-5 CSA Std. C22.2 No. 94-91 VDE CSA-C22.2 No. 14-05 IEC/EN 60947-5 CSA UL Category Control No.: NKCR CE CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 IEC/EN 60947 VDE 0660 UL UL File No.: E29184 CSA File No.: 012528 DNV LR GL |
| Product Tradename | M22 |
| Product Type | Changeover switch |
| Product Sub Type | None |
| Features & Functions | |
| Bezel color | Titanium |
| Bezel material | Plastic |
| Color | Black |
| Design | With thumb-grip Classical |
| Fitted with: | Front ring |
| Functions | Stay-put/spring-return function, can be changed with coding parts M22-XC-Y |
| General information | |
| Degree of protection | NEMA 4X, 13 |
| Degree of protection (front side) | IP66 |
| Lifespan, mechanical | 100,000 Operations |
| Opening diameter | 22.5 mm |
| Operating frequency | 2000 Operations/h |
| Operating torque | 0.3 N·m |
| Product category | RMQ-Titan |
| Size | Front diameter: 29.7 mm |
| Switching angle | 60 ° |
| Type | Selector switch actuator |
| Ambient conditions, mechanical | |
| Mounting position | As required |
| Shock resistance | 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 |

| Climatic environmental conditions | | |
|--|--|--|
| Ambient operating temperature - min | | -25 °C |
| Ambient operating temperature - max | | 70 °C |
| Ambient storage temperature - min | | 40 °C |
| Ambient storage temperature - max | | 80 °C |
| Climatic proofing | | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Communication | | |
| Connection to SmartWire-DT | | With SWD-RMQ connections Yes |
| Actuator | | |
| Actuator color | | Black |
| Actuator function | | Maintained Switching function latching |
| Actuator type | | Toggle |
| Number of switch positions | | 2 |
| Contacts | | |
| Force for positive opening - min | | 0 N |
| Design verification | | |
| Equipment heat dissipation, current-dependent P _{vid} | | 0 W |
| Heat dissipation capacity P _{diss} | | 0 W |
| Heat dissipation per pole, current-dependent P _{vid} | | 0 W |
| Rated operational current for specified heat dissipation (I _n) | | 0 A |
| Static heat dissipation, non-current-dependent P _{vs} | | 0 W |
| 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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects | | Meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | Please enquire |
| 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. |
| 10.9.2 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 | | Not applicable. |
| 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 9.0

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| Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222) | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss13-27-37-12-13 [AKF031019]) | | |
| Number of switch positions | | 2 |
| Type of control element | | Toggle |
| Suitable for illumination | | No |
| Colour control element | | Black |

| | | | |
|---------------------------------------|--|----|----------|
| Colour indicator light cap | | | Other |
| Construction type lens | | | Round |
| Hole diameter | | mm | 22.5 |
| Width opening | | mm | 0 |
| Height opening | | mm | 0 |
| Switching function latching | | | Yes |
| Spring-return | | | No |
| With front ring | | | Yes |
| Material front ring | | | Plastic |
| Colour front ring | | | Titanium |
| Degree of protection (IP), front side | | | IP66 |
| Degree of protection (NEMA) | | | 4X, 13 |