# DATASHEET - M22-WS-MS3

**Key-operated actuator, momentary, 2 positions, MS3, Key withdrawable: 0, Bezel: titanium**

**Part no.** **M22-WS-MS3**
**111791**

| | |
|---|---|
| Product name | Eaton Moeller® series M22 Key-operated actuator |
| Part no. | M22-WS-MS3 |
| EAN | 4015081113415 |
| Product Length/Depth | 70 millimetre |
| Product height | 30 millimetre |
| Product width | 30 millimetre |
| Product weight | 0.034 kilogram |
| Certifications | UL<br>CSA-C22.2 No. 94-91<br>VDE 0660<br>CSA-C22.2 No. 14-05<br>CSA File No.: 012528<br>UL File No.: E29184<br>IEC/EN 60947-5<br>CSA<br>IEC/EN 60947<br>CE<br>UL Category Control No.: NKCR<br>UL 508<br>CSA Class No.: 3211-03<br>LR<br>GL<br>DNV |
| Product Tradename | M22 |
| Product Type | Key-operated actuator |
| Product Sub Type | None |
| Catalog Notes | Key withdraw convertible with coding adapters M22-XC-...<br>Not suitable for master key systems |
| | |
| Bezel color | Titanium |
| Bezel material | Plastic |
| Design | Key operated<br>Classical |
| Fitted with: | Front ring |
| Functions | Stay-put/spring-return function, can be changed with coding parts M22-XC-Y |
| Key code | MS3 |
| | |
| Accessories | 1 key included with supplied equipment. |
| Degree of protection | NEMA 4X, 13 |
| Degree of protection (front side) | IP66 |
| Lifespan, mechanical | 100,000 Operations |
| Opening diameter | 22.5 mm |
| Operating frequency | 100 Operations/h |
| Operating torque | 0.5 N·m |
| Product category | RMQ-Titan |
| Switching angle | 40 ° |
| Type | Key-operated button |
| | |
| Mounting position | As required |
| Shock resistance | Mechanical, According to IEC/EN 60068-2-27<br>30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |
| | |
| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 70 °C |
| Climatic proofing | Damp heat, cyclic, to IEC 60068-2-30 |

| | | |
|---|---|---|
| | | Damp heat, constant, to IEC 60068-2-78 |
| | | |
| Connection to SmartWire-DT | | Yes<br>With SWD-RMQ connections |
| | | |
| Actuator color | | Black |
| Actuator function | | Spring-return<br>Momentary<br>Key withdrawable in position 0 |
| Actuator type | | Key |
| Number of switch positions | | 2 |
| | | |
| Force for positive opening - min | | 0 N |
| | | |
| Equipment heat dissipation, current-dependent Pvid | | 0 W |
| Heat dissipation capacity Pdiss | | 0 W |
| Heat dissipation per pole, current-dependent Pvid | | 0 W |
| Rated operational current for specified heat dissipation (In) | | 0 A |
| Static heat dissipation, non-current-dependent Pvs | | 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 8.0

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@ss10.0.1-27-37-12-13 [AKF031014])

| | | |
|---|---|---|
| Number of switch positions | | 2 |
| Type of control element | | Key |
| 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 | | No |

| | | | |
|---|---|---|---|
| Spring-return | | | Yes |
| 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 |


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