# DATASHEET - M22-WRS-MS7

**Key-operated actuator, maintained, 2 positions, MS7, Key withdrawable: 0, I, Bezel: titanium**

Powering Business Worldwide

**Part no.** **M22-WRS-MS7**
**111788**

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|---|---|
| Product name | Eaton Moeller® series M22 Key-operated actuator |
| Part no. | M22-WRS-MS7 |
| EAN | 4015081113385 |
| Product Length/Depth | 70 millimetre |
| Product height | 30 millimetre |
| Product width | 30 millimetre |
| Product weight | 0.034 kilogram |
| Compliances | CE Marked |
| Certifications | EN 60947-5<br>CSA Std. C22.2 No. 94-91<br>UL 508<br>IEC 60947-5<br>CSA Std. C22.2 No. 14-05<br>VDE<br>UL<br>CSA Class No.: 3211-03<br>CSA<br>UL Category Control No.: NKCR<br>IEC/EN 60947<br>CE<br>CSA-C22.2 No. 14-05<br>CSA-C22.2 No. 94-91<br>IEC/EN 60947-5<br>CSA File No.: 012528<br>VDE 0660<br>UL File No.: E29184<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 |
| Color | Black |
| 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 | MS7 |
| | |
| 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 | 60 ° |
| Type | Key-operated button |
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| Mounting position | As required |

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| Shock resistance | 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms<br>Mechanical, According to IEC/EN 60068-2-27 |
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| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 70 °C |
| Climatic proofing | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| | |
| Connection to SmartWire-DT | Yes<br>With SWD-RMQ connections |
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| Actuator color | Black |
| Actuator function | Maintained<br>Key withdrawable in position 1<br>Switching function latching<br>Key withdrawable in position 0 |
| Actuator type | Key |
| Number of switch positions | 2 |
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| 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

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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@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 | | 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 |


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