

Key-operated actuator, maintained, 2 positions 0, I, Bezel: titanium, 1 NC,  
1 N/O, Enclosure



Powering Business Worldwide™

Part no. M22-WRS/KC11/I

216526

EL Number

4355299

(Norway)

| General specifications         |   |
|--------------------------------|---|
| Product name                   | Eaton Moeller® series M22 Key-operated actuator   |
| Part no.                       | M22-WRS/KC11/I  |
| EAN                            | 4015082165260   |
| Product Length/Depth           | 130 millimetre  |
| Product height                 | 70 millimetre   |
| Product width                  | 72 millimetre   |
| Product weight                 | 0.2 kilogram  |
| Certifications                 | IEC/EN 60947-5<br>CSA-C22.2 No. 14-05<br>CSA<br>CSA-C22.2 No. 94-91<br>CSA Class No.: 3211-03<br>CSA File No.: 012528<br>UL<br>UL Category Control No.: NKCR<br>UL 508<br>CE<br>IEC/EN 60947<br>VDE 0660<br>UL File No.: E29184 |
| Product Tradename              | M22   |
| Product Type                   | Key-operated actuator   |
| Product Sub Type               | None  |
| Catalog Notes                  | Contacts with safety function, by positive opening to IEC/EN 60947-5-1<br>Key withdraw convertible with coding adapters M22-XC-...<br>Not suitable for master key systems   |
| Features & Functions           |   |
| Bezel color                    | Titanium  |
| Color                          | Light gray  |
| Design                         | Enclosure   |
| Enclosure color                | Gray  |
| Enclosure material             | Plastic   |
| Functions                      | Stay-put/spring-return function, can be changed with coding parts M22-XC-Y  |
| Knockouts                      | 2 x M25/20 (cable entry knockouts at the side)<br>1 x M20 (cable entry knockout at the side)<br>2 x M16 (cable entry knockouts at the base)   |
| Number of locations            | 1   |
| RAL-number                     | 7035  |
| General information            |   |
| Accessories                    | 1 key included with supplied equipment.   |
| Degree of protection           | IP66<br>NEMA 4X, 13   |
| Lifespan                       | 100,000 mechanical Operations   |
| Operating frequency            | 100 Operations/h  |
| Operating torque               | 0.5 N·m   |
| Product category               | RMQ-Titan   |
| Size                           | Front diameter: 29.7 mm   |
| Switching angle                | 60 °  |
| Type                           | Housing<br>Key-operated button  |
| 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   |
| <b>Climatic environmental conditions</b>   |  |  |
| Ambient operating temperature - min  |  | -25 °C   |
| Ambient operating temperature - max  |  | 70 °C  |
| Climatic proofing  |  | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78   |
| <b>Electrical rating</b>   |  |  |
| Rated control supply voltage (Us) at AC, 50 Hz - min                             |  | 115 V  |
| Rated control supply voltage (Us) at AC, 50 Hz - max                             |  | 500 V  |
| Rated control supply voltage (Us) at AC, 60 Hz - min                             |  | 115 V  |
| Rated control supply voltage (Us) at AC, 60 Hz - max                             |  | 500 V  |
| Rated control supply voltage (Us) at DC - min                                    |  | 24 V   |
| Rated control supply voltage (Us) at DC - max                                    |  | 220 V  |
| <b>Short-circuit rating</b>  |  |  |
| Rated conditional short-circuit current (Iq)                                     |  | 1 kA   |
| <b>Communication</b>   |  |  |
| Connection to SmartWire-DT   |  | No   |
| Connection type  |  | Screw connection   |
| <b>Actuator</b>  |  |  |
| Actuator function  |  | Key withdrawable in position 0<br>Key withdrawable in position 1<br>Maintained   |
| Actuator travel and actuation force (DIN EN 60947-5-1)                           |  | 4.8 mm   |
| Knob travel  |  | 5.7 mm   |
| Number of actuation directions   |  | 2  |
| <b>Contacts</b>  |  |  |
| Force for positive opening - min   |  | 20 N   |
| Number of contacts (change-over contacts)  |  | 0  |
| Number of contacts (normally closed contacts)                                    |  | 1  |
| Number of contacts (normally open contacts)                                      |  | 1  |
| <b>Design verification</b>   |  |  |
| Equipment heat dissipation, current-dependent Pvid                               |  | 0 W  |
| Heat dissipation capacity Pdis   |  | 0 W  |
| Heat dissipation per pole, current-dependent Pvid                                |  | 0.11 W   |
| Rated operational current for specified heat dissipation (In)                    |  | 6 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   |  | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |

|                                     |  |  |
|-------------------------------------|--|--|
| 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

|   |   |           |
|---|---|-----------|
| Low-voltage industrial components (EG000017) / Control circuit devices combination in enclosure (EC000225)  |   |           |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Command and alarm device combination in housing (ecl@ss13-27-37-12-16 [AKF034019]) |   |           |
| Number of command positions   |   | 1         |
| Number of push buttons  |   | 0         |
| Number of indicator lights  |   | 0         |
| Number of key switches  |   | 1         |
| Number of selector switches   |   | 1         |
| Number of mushroom-shaped push-buttons  |   | 0         |
| Suitable for emergency stop   |   | No        |
| Rated control supply voltage AC 50 Hz   | V | 115 - 500 |
| Rated control supply voltage AC 60 Hz   | V | 115 - 500 |
| Rated control supply voltage DC   | V | 24 - 220  |
| Power consumption   | W |           |
| Colour housing cover  |   | Grey      |
| Housing colour  |   | Grey      |
| Housing material  |   | Plastic   |
| Number of contacts as normally open contact   |   | 1         |
| Number of contacts as normally closed contact   |   | 1         |
| Number of contacts as change-over contact   |   | 0         |
| Degree of protection (IP)   |   | IP66      |
| Degree of protection (NEMA)   |   | 4X, 13    |