

Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom black, Without button plate, Bezel: black

**Part no. M22S-DP-S-X
216730**

| General specifications | | |
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| Product name | | Eaton Moeller® series M22 Mushroom actuator |
| Part no. | | M22S-DP-S-X |
| EAN | | 4015082167301 |
| Product Length/Depth | | 37 millimetre |
| Product height | | 43 millimetre |
| Product width | | 37 millimetre |
| Product weight | | 0.016 kilogram |
| Certifications | | CSA-C22.2 No. 14-05 UL 508 CE UL Category Control No.: NKCR UL File No.: E29184 IEC/EN 60947-5 VDE 0660 CSA-C22.2 No. 94-91 CSA File No.: 012528 CSA UL IEC/EN 60947 CSA Class No.: 3211-03 DNV LR GL |
| Product Tradename | | M22 |
| Product Type | | Mushroom actuator |
| Product Sub Type | | None |
| Features & Functions | | |
| Bezel color | | Black |
| Bezel material | | Plastic |
| Design | | Mushroom-shaped Classical |
| Fitted with: | | Front ring |
| Unlocking method | | None |
| General information | | |
| Degree of protection | | IP67/IP69K NEMA 4X, 13 |
| Lifespan, mechanical | | 5,000,000 Operations |
| Opening diameter | | 22.5 mm |
| Operating frequency | | 3600 Operations/h |
| Product category | | RMQ-Titan |
| Size | | Front dimensions: 22 x 22 mm |
| Type | | Mushroom-headed pushbutton |
| Ambient conditions, mechanical | | |
| Mounting position | | As required |
| Shock resistance | | Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |
| 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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 |
| Communication | | |

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| Connection to SmartWire-DT | | Yes With SWD-RMQ connections |
| Actuator | | |
| Actuating force | | 5 N |
| Actuator color | | Black |
| Actuator function | | Momentary Spring-return |
| Contacts | | |
| Force for positive opening - min | | 0 N |
| Design verification | | |
| 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 9.0

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| Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038) | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss13-27-37-12-12 [AKF030019]) | | |
| Colour button | | Black |
| Construction type lens | | Round |
| Diameter cap | mm | 36.5 |
| Hole diameter | mm | 22.5 |
| Width opening | mm | 0 |
| Height opening | mm | 0 |
| Degree of protection (IP) | | IP67/IP69K |
| Degree of protection (NEMA) | | 4X, 13 |
| Type of button | | Flat |
| Suitable for illumination | | No |
| With lighting | | No |
| Supply voltage lamp | V | 0 |
| Switching function latching | | No |

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|-----------------------------|--|--|---------|
| Spring-return | | | Yes |
| With front ring | | | Yes |
| Material front ring | | | Plastic |
| Colour front ring | | | Black |
| Suitable for emergency stop | | | No |
| Unlocking method | | | None |