

**HALT/STOP-Button, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Turn-to-release function, yellow, yellow, RAL 9005**

**Part no.**                    **M22Y-PVT**  
**147403**

| <b>General specifications</b>            |  |  |
|--|--|--|
| Product name                             |  | Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton  |
| Part no.                                 |  | M22Y-PVT   |
| EAN                                      |  | 4015081439010  |
| Product Length/Depth                     |  | 38 millimetre  |
| Product height                           |  | 70 millimetre  |
| Product width                            |  | 38 millimetre  |
| Product weight                           |  | 0.045 kilogram   |
| Certifications                           |  | CSA File No.: 012528<br>IEC/EN 60947-5<br>UL<br>CE<br>IEC/EN 60947<br>CSA<br>CSA-C22.2 No. 14-05<br>UL Category Control No.: NKCR<br>UL File No.: E29184<br>CSA Class No.: 3211-03<br>CSA-C22.2 No. 94-91<br>UL 508<br>VDE 0660<br>DNV<br>LR<br>GL |
| Product Tradename                        |  | M22  |
| Product Type                             |  | Emergency stop/emergency switching off pushbutton  |
| Product Sub Type                         |  | None   |
| <b>Features &amp; Functions</b>          |  |  |
| Bezel color                              |  | Other  |
| Base color                               |  | Yellow   |
| Bezel material                           |  | Other  |
| Color                                    |  | Yellow   |
| Design                                   |  | Mushroom-shaped<br>Classical   |
| Illumination                             |  | Non-illuminated  |
| RAL-number                               |  | 1004   |
| Unlocking method                         |  | Turn-release   |
| <b>General information</b>               |  |  |
| Degree of protection                     |  | IP67/IP69K<br>NEMA 4X, 13  |
| Lifespan, mechanical                     |  | 100,000 Operations   |
| Opening diameter                         |  | 22.5 mm  |
| Operating frequency                      |  | 600 Operations/h   |
| Product category                         |  | RMQ-Titan  |
| Type                                     |  | Emergency stop pushbutton<br>STOP pushbutton   |
| <b>Ambient conditions, mechanical</b>    |  |  |
| Mounting position                        |  | As required  |
| Shock resistance                         |  | 50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms<br>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   |

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| <b>Communication</b>   |  |  |
| Connection to SmartWire-DT   |  | Yes<br>With SWD-RMQ connections  |
| <b>Actuator</b>  |  |  |
| Actuating force  |  | 50 N   |
| Actuator color   |  | Yellow   |
| Actuator diameter  |  | 38 mm  |
| Actuator function  |  | Turn-to-release<br>Switching function latching   |
| <b>Contacts</b>  |  |  |
| Force for positive opening - min   |  | 0 N  |
| <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 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

|  |    |            |
|--|----|------------|
| 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 (ecI@ss13-27-37-12-12 [AKF030019]) |    |            |
| Colour button  |    | Yellow     |
| Construction type lens   |    | Round      |
| Diameter cap   | mm | 38         |
| 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   |    | High       |
| Suitable for illumination  |    | No         |
| With lighting  |    | No         |

|                             |   |              |
|-----------------------------|---|--------------|
| Supply voltage lamp         | V | 0            |
| Switching function latching |   | Yes          |
| Spring-return               |   | No           |
| With front ring             |   | No           |
| Material front ring         |   | Other        |
| Colour front ring           |   | Other        |
| Suitable for emergency stop |   | No           |
| Unlocking method            |   | Turn-release |