

Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palm-tree shape, 60 mm, Non-illuminated, Key-release, MS1, Red, yellow, RAL 3000, Not suitable for master key systems



**Part no.** M22-PVS60P-MS1  
**121469**  
**EL Number** 4315250  
**(Norway)**

| General specifications              |  |                                                                                                                        |
|-------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|
| Product name                        |  | Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton                                            |
| Part no.                            |  | M22-PVS60P-MS1                                                                                                         |
| EAN                                 |  | 4015081192892                                                                                                          |
| Product Length/Depth                |  | 93 millimetre                                                                                                          |
| Product height                      |  | 60 millimetre                                                                                                          |
| Product width                       |  | 60 millimetre                                                                                                          |
| Product weight                      |  | 0.082 kilogram                                                                                                         |
| Compliances                         |  | Contact Manufacturer                                                                                                   |
| Certifications                      |  | IEC/EN 60947<br>VDE 0660<br>DNV<br>GL<br>LR                                                                            |
| Product Tradename                   |  | M22                                                                                                                    |
| Product Type                        |  | Emergency stop/emergency switching off pushbutton                                                                      |
| Product Sub Type                    |  | None                                                                                                                   |
| Catalog Notes                       |  | Not suitable for master key systems                                                                                    |
| Features & Functions                |  |                                                                                                                        |
| Bezel color                         |  | Other                                                                                                                  |
| Base color                          |  | Yellow                                                                                                                 |
| Bezel material                      |  | Other                                                                                                                  |
| Color                               |  | Red                                                                                                                    |
| Design                              |  | Palm-tree shaped<br>Classical                                                                                          |
| Features                            |  | Tamper-proof (according to ISO 13850, EN 418)                                                                          |
| Illumination                        |  | Non-illuminated                                                                                                        |
| Key code                            |  | MS1                                                                                                                    |
| RAL-number                          |  | 3000                                                                                                                   |
| Unlocking method                    |  | Key-release                                                                                                            |
| General information                 |  |                                                                                                                        |
| Accessories                         |  | 1 key included with supplied equipment.                                                                                |
| Degree of protection                |  | NEMA 4X<br>IP67/IP69K                                                                                                  |
| Lifespan, mechanical                |  | 100,000 Operations                                                                                                     |
| Opening diameter                    |  | 22.5 mm                                                                                                                |
| Operating frequency                 |  | 600 Operations/h                                                                                                       |
| Product category                    |  | RMQ-Titan                                                                                                              |
| Suitable for                        |  | Emergency stop                                                                                                         |
| Type                                |  | Controlled stop pushbutton/emergency-stop button                                                                       |
| Ambient conditions, mechanical      |  |                                                                                                                        |
| 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 |
| Climatic environmental conditions   |  |                                                                                                                        |
| 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                                                       |  | No                                                                                                       |
| <b>Actuator</b>                                                                  |  |                                                                                                          |
| Actuating force                                                                  |  | 50 N                                                                                                     |
| Actuator color                                                                   |  | Red                                                                                                      |
| Actuator diameter                                                                |  | 60 mm                                                                                                    |
| Actuator function                                                                |  | Key-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 (ecl@ss13-27-37-12-12 [AKF030019]) |    |            |
| Colour button                                                                                                                                                                                                  |    | Red        |
| Construction type lens                                                                                                                                                                                         |    | Round      |
| Diameter cap                                                                                                                                                                                                   | mm | 60         |
| Hole diameter                                                                                                                                                                                                  | mm | 22.5       |
| Width opening                                                                                                                                                                                                  | mm | 0          |
| Height opening                                                                                                                                                                                                 | mm | 0          |
| Degree of protection (IP)                                                                                                                                                                                      |    | IP67/IP69K |
| Degree of protection (NEMA)                                                                                                                                                                                    |    | 4X         |
| 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 |  |  | Yes         |
| Unlocking method            |  |  | Key-release |