



Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, White lens, black, black, inscribed, Bezel: black, arrow up

Part no. M22S-DDL-S-X7/X7  
216711

|                                   |  |                                                                                                                                                                                                                                                    |
|-----------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General specifications            |  |                                                                                                                                                                                                                                                    |
| Product name                      |  | Eaton Moeller® series M22 Double actuator pushbutton                                                                                                                                                                                               |
| Part no.                          |  | M22S-DDL-S-X7/X7                                                                                                                                                                                                                                   |
| EAN                               |  | 4015082167110                                                                                                                                                                                                                                      |
| Product Length/Depth              |  | 30 millimetre                                                                                                                                                                                                                                      |
| Product height                    |  | 55 millimetre                                                                                                                                                                                                                                      |
| Product width                     |  | 30 millimetre                                                                                                                                                                                                                                      |
| Product weight                    |  | 0.015 kilogram                                                                                                                                                                                                                                     |
| Certifications                    |  | GL<br>LR<br>DNV<br>UL File No.: E29184<br>UL<br>CE<br>VDE 0660<br>CSA-C22.2 No. 94-91<br>IEC/EN 60947<br>UL 508<br>CSA-C22.2 No. 14-05<br>UL Category Control No.: NKCR<br>CSA File No.: 012528<br>CSA<br>IEC/EN 60947-5<br>CSA Class No.: 3211-03 |
| Product Tradename                 |  | M22                                                                                                                                                                                                                                                |
| Product Type                      |  | Double actuator pushbutton                                                                                                                                                                                                                         |
| Product Sub Type                  |  | None                                                                                                                                                                                                                                               |
| Features & Functions              |  |                                                                                                                                                                                                                                                    |
| Bezel color                       |  | Black                                                                                                                                                                                                                                              |
| Bezel material                    |  | Plastic                                                                                                                                                                                                                                            |
| Design                            |  | Classical<br>Non-Flush                                                                                                                                                                                                                             |
| Features                          |  | Labelled                                                                                                                                                                                                                                           |
| Fitted with:                      |  | Front ring                                                                                                                                                                                                                                         |
| Inscription                       |  | Inscribed                                                                                                                                                                                                                                          |
| Lens color                        |  | White                                                                                                                                                                                                                                              |
| General information               |  |                                                                                                                                                                                                                                                    |
| Degree of protection              |  | NEMA 3R<br>NEMA 13<br>NEMA 12<br>NEMA 4X<br>IP66                                                                                                                                                                                                   |
| Degree of protection (front side) |  | NEMA 4X<br>IP66                                                                                                                                                                                                                                    |
| Lifespan, mechanical              |  | 200,000 Operations                                                                                                                                                                                                                                 |
| Opening diameter                  |  | 22.5 mm                                                                                                                                                                                                                                            |
| Operating frequency               |  | 3600 Operations/h                                                                                                                                                                                                                                  |
| Product category                  |  | RMQ-Titan                                                                                                                                                                                                                                          |
| Size                              |  | Front dimensions: 29,7 x 54,7 mm                                                                                                                                                                                                                   |
| Suitable for                      |  | Illumination                                                                                                                                                                                                                                       |
| Type                              |  | Double actuator                                                                                                                                                                                                                                    |
| Ambient conditions, mechanical    |  |                                                                                                                                                                                                                                                    |
| Mounting position                 |  | As required                                                                                                                                                                                                                                        |
| 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                                                                                                                             |

|                                                                                  |  |  |                                                                                                          |
|----------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------|
| <b>Climatic environmental conditions</b>                                         |  |  |                                                                                                          |
| 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<br>Damp heat, constant, to IEC 60068-2-78                           |
| <b>Communication</b>                                                             |  |  |                                                                                                          |
| Connection to SmartWire-DT                                                       |  |  | With SWD-RMQ connections<br>Yes                                                                          |
| <b>Actuator</b>                                                                  |  |  |                                                                                                          |
| Actuating force                                                                  |  |  | 5 N                                                                                                      |
| Actuator color                                                                   |  |  | Black                                                                                                    |
| Actuator function                                                                |  |  | Momentary<br>Spring-return                                                                               |
| <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 push button (EC000221)                                                                                                               |  |    |       |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss13-27-37-12-10 [AKF028019]) |  |    |       |
| Colour button                                                                                                                                                                                         |  |    | Black |
| Number of command positions                                                                                                                                                                           |  |    | 2     |
| Construction type lens                                                                                                                                                                                |  |    | Oval  |
| Hole diameter                                                                                                                                                                                         |  | mm | 22.5  |
| Width opening                                                                                                                                                                                         |  | mm | 0     |

|                                         |  |    |         |
|-----------------------------------------|--|----|---------|
| Height opening                          |  | mm | 0       |
| Type of button                          |  |    | Flat    |
| Suitable for illumination               |  |    | Yes     |
| With protective cover                   |  |    | No      |
| Labelled                                |  |    | Yes     |
| Switching function latching             |  |    | No      |
| Spring-return                           |  |    | Yes     |
| With front ring                         |  |    | Yes     |
| Material front ring                     |  |    | Plastic |
| Colour front ring                       |  |    | Black   |
| Degree of protection (IP), front side   |  |    | IP66    |
| Degree of protection (NEMA), front side |  |    | 4X      |