

# Specifications



## Eaton 121463

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palm-tree shape, 45 mm, Non-illuminated, Turn-to-release function, Red, yellow, RAL 3000, with mechanical switch position indication

### General specifications

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| PRODUCT NAME         | Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton |
| CATALOG NUMBER       | 121463                                                                      |
| MODEL CODE           | M22-PVT45P-MPI                                                              |
| EAN                  | 4015081192830                                                               |
| PRODUCT LENGTH/DEPTH | 67 mm                                                                       |
| PRODUCT HEIGHT       | 45 mm                                                                       |
| PRODUCT WIDTH        | 45 mm                                                                       |
| PRODUCT WEIGHT       | 0.043 kg                                                                    |
| CERTIFICATIONS       | IEC/EN 60947<br>VDE 0660<br>DNV<br>GL<br>LR                                 |
| GLOBAL CATALOG       | 121463                                                                      |



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## Product specifications

|                                                                                  |                                                                                                          |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| TYPE                                                                             | Controlled stop pushbutton/emergency-stop button                                                         |
| ACTUATOR COLOR                                                                   | Red                                                                                                      |
| FEATURES                                                                         | Tamper-proof (according to ISO 13850, EN 418)                                                            |
| ACTUATOR FUNCTION                                                                | Switching function<br>latching<br>Turn-to-release                                                        |
| 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. |
| 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.                                       |

## Resources

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGS                   | <a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a><br><br><a href="#">Flip catalog - Product Range Catalog - Command and indication</a><br><br><a href="#">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a>                                                                                                                                                                                                                   |
| CERTIFICATION REPORTS      | <a href="#">000Z425</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu250649en.pdf</a>                                                                                                                                                                                                                                                                                                                                                                     |
| DRAWINGS                   | <a href="#">eaton-operating-m22-dimensions-015.eps</a><br><br><a href="#">eaton-operating-m22-dimensions-007.eps</a><br><br><a href="#">eaton-general-approval-m22-symbol.eps</a><br><br><a href="#">eaton-operating-m22-3d-drawing-004.eps</a><br><br><a href="#">eaton-general-m22-symbol.eps</a><br><br><a href="#">eaton-operating-button-symbol-006.eps</a><br><br><a href="#">eaton-general-m22-standards.eps</a><br><br><a href="#">eaton-operating-button-symbol-002.eps</a> |
| ECAD MODEL                 | <a href="#">ETN.121463.edz</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| FLYERS                     | <a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                            |
| INSTALLATION INSTRUCTIONS  | <a href="#">IL04716002Z</a><br><br><a href="#">IL04716005Z.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| INSTALLATION VIDEOS        | <a href="#">RMQ Flat Design</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MCAD MODEL                 | <a href="#">DA-CS-not_aus_45_schaltanzeige</a>                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|                                                          |                                                                                |
|----------------------------------------------------------|--------------------------------------------------------------------------------|
| 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.                                         |
| OPERATING FREQUENCY                                      | 600 Operations/h                                                               |
| BUTTON COLOR                                             | Red                                                                            |
| CLIMATIC PROOFING                                        | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| CONNECTION TO SMARTWIRE-DT                               | No                                                                             |
| BASE COLOR                                               | Yellow                                                                         |
| ACTUATING FORCE                                          | 50 N                                                                           |
| ACTUATOR DIAMETER                                        | 45 mm                                                                          |
| AMBIENT OPERATING TEMPERATURE - MAX                      | 70 °C                                                                          |
| AMBIENT OPERATING TEMPERATURE - MIN                      | -25 °C                                                                         |
| AMBIENT STORAGE TEMPERATURE - MAX                        | 80 °C                                                                          |
| AMBIENT STORAGE TEMPERATURE - MIN                        | 40 °C                                                                          |
| DIAMETER CAP                                             | 45 mm                                                                          |

|             |                                                                                                                                                                                                                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <a href="#">DA-CD-not_aus_45_schaltanzeige</a>                                                                                                                                                                                                                                                                   |
| MULTIMEDIA  | <a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a><br><a href="#">RMQ small E-Stop emergency-stop button</a><br><a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a><br><a href="#">MCI MultiColor Light Indicator RMQ compact solution</a>      |
| SALES NOTES | <a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a><br><a href="#">eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf</a><br><a href="#">eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf</a><br><a href="#">eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf</a> |

|                                                               |                                                                                                                                                            |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID            | 0 W                                                                                                                                                        |
| FORCE FOR POSITIVE OPENING - MIN                              | 0 N                                                                                                                                                        |
| HEAT DISSIPATION CAPACITY PDISS                               | 0 W                                                                                                                                                        |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID             | 0 W                                                                                                                                                        |
| OPENING DIAMETER                                              | 22.5 mm                                                                                                                                                    |
| OPENING HEIGHT                                                | 0 mm                                                                                                                                                       |
| RAL-NUMBER                                                    | 3000                                                                                                                                                       |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 0 A                                                                                                                                                        |
| ILLUMINATION                                                  | Non-illuminated                                                                                                                                            |
| BEZEL COLOR                                                   | Other                                                                                                                                                      |
| SHOCK RESISTANCE                                              | Mechanical, According to IEC/EN 60068-2-27<br>50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms                                     |
| COLOR                                                         | Red                                                                                                                                                        |
| INDICATION                                                    | With mechanical switch position indication<br>Switch position indication green: Pushbutton released<br>Switch position indication red: Pushbutton actuated |
| BEZEL MATERIAL                                                | Other                                                                                                                                                      |
| DESIGN                                                        | Palm-tree shaped<br>Classical                                                                                                                              |
| MOUNTING POSITION                                             | As required                                                                                                                                                |
| DEGREE OF PROTECTION                                          | NEMA 4X<br>IP67/IP69K                                                                                                                                      |
| FRONT ELEMENT TYPE                                            | High                                                                                                                                                       |
| LENS TYPE                                                     | Round                                                                                                                                                      |
| LIFESPAN, MECHANICAL                                          | 100,000 Operations                                                                                                                                         |
| STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS            | 0 W                                                                                                                                                        |
| WIDTH OPENING                                                 | 0 mm                                                                                                                                                       |
| PRODUCT CATEGORY                                              | RMQ-Titan                                                                                                                                                  |

|                     |                                 |
|---------------------|---------------------------------|
| SIZE                | Front dimensions: 22 x<br>22 mm |
| SUPPLY VOLTAGE LAMP | 0 V                             |
| SUITABLE FOR        | Emergency stop                  |
| UNLOCKING METHOD    | Turn-release                    |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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