

# Specifications



## Eaton 197536

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 30 mm, Non-illuminated, Turn-to-release function, Red, yellow

### General specifications

|                             |                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series M22 emergency stop/emergency switching off pushbutton                |
| <b>CATALOG NUMBER</b>       | 197536                                                                                     |
| <b>MODEL CODE</b>           | M22-PVT30                                                                                  |
| <b>EAN</b>                  | 4015081942527                                                                              |
| <b>PRODUCT LENGTH/DEPTH</b> | 30 mm                                                                                      |
| <b>PRODUCT HEIGHT</b>       | 32 mm                                                                                      |
| <b>PRODUCT WIDTH</b>        | 30 mm                                                                                      |
| <b>PRODUCT WEIGHT</b>       | 0.03 kg                                                                                    |
| <b>CERTIFICATIONS</b>       | CSA<br>CCC<br>CE<br>EAC<br>EN 50581<br>EN ISO 13850<br>EN 60947-5-1<br>Machines 2006/42/EG |

## Actuator

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>ACTUATING FORCE</b>   | 50 N                                           |
| <b>ACTUATOR COLOR</b>    | Red                                            |
| <b>ACTUATOR DIAMETER</b> | 30 mm                                          |
| <b>ACTUATOR FUNCTION</b> | Turn-to-release<br>Switching function latching |
| <b>COLOR</b>             | Red                                            |
| <b>DESIGN</b>            | Mushroom-shaped<br>Classical                   |
| <b>ILLUMINATION</b>      | Non-illuminated                                |
| <b>UNLOCKING METHOD</b>  | Turn-release                                   |

## Climatic environmental conditions

|                                            |                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------|
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b> | 70 °C                                                                          |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b> | -25 °C                                                                         |
| <b>CLIMATIC PROOFING</b>                   | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |

## Contacts

|                                         |     |
|-----------------------------------------|-----|
| <b>FORCE FOR POSITIVE OPENING - MIN</b> | 0 N |
|-----------------------------------------|-----|

## Communication

|                                   |    |
|-----------------------------------|----|
| <b>CONNECTION TO SMARTWIRE-DT</b> | No |
|-----------------------------------|----|

## Design verification

|                                                                                         |                                                                                                          |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | Not applicable.                                                                                          |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                               |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                               |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                               |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                               |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Please enquire                                                                                           |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                               |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Meets the product standard's requirements.                                                               |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                                           | Does not apply, since the entire switchgear needs to be evaluated.                                       |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>                           | Does not apply, since the entire switchgear needs to be evaluated.                                       |

## Features & functions

|                       |                                               |
|-----------------------|-----------------------------------------------|
| <b>BASE COLOR</b>     | Yellow                                        |
| <b>BEZEL COLOR</b>    | Other                                         |
| <b>BEZEL MATERIAL</b> | Other                                         |
| <b>DESIGN</b>         | Mushroom-shaped<br>Classical                  |
| <b>FEATURES</b>       | Tamper-proof (according to ISO 13850, EN 418) |
| <b>RAL-NUMBER</b>     | 3000                                          |

|                                                                      |                                        |
|----------------------------------------------------------------------|----------------------------------------|
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>             | Is the panel builder's responsibility. |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                      | Is the panel builder's responsibility. |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                      | Is the panel builder's responsibility. |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                              | Is the panel builder's responsibility. |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>      | Is the panel builder's responsibility. |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>            | 0 W                                    |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                               | 0 W                                    |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>             | 0 W                                    |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                    |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                    |

## General information

|                             |                                                     |
|-----------------------------|-----------------------------------------------------|
| <b>DEGREE OF PROTECTION</b> | IP66<br>NEMA 4X<br>IP69                             |
| <b>LIFESPAN, MECHANICAL</b> | 60,000 Operations                                   |
| <b>MOUNTING POSITION</b>    | As required                                         |
| <b>OPENING DIAMETER</b>     | 22.5 mm                                             |
| <b>OPERATING FREQUENCY</b>  | 600 Operations/h                                    |
| <b>PRODUCT CATEGORY</b>     | RMQ-Titan                                           |
| <b>SIZE</b>                 | Front dimensions: 35 mm                             |
| <b>SUITABLE FOR</b>         | Emergency stop                                      |
| <b>TYPE</b>                 | Controlled stop<br>pushbutton/emergency-stop button |

## Resources

|                            |                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUES                 | <a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>                                    |
| CERTIFICATION REPORTS      | <a href="#">000Z425</a><br><a href="#">eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu251534en.pdf</a> |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251132en.pdf</a>                            |
| DRAWINGS                   | <a href="#">eaton-operating-m22-dimensions-002.eps</a><br><a href="#">eaton-rmq-titan-m22-drawing.eps</a>                                   |

|                           |                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|
|                           | <a href="#">eaton-operating-button-symbol.eps</a>                                                                 |
| ECAD MODEL                | <a href="#">ETN.197536.edz</a>                                                                                    |
| INSTALLATION INSTRUCTIONS | <a href="#">eaton-rmq-titan-m22-m30-emergency-switching-off-emergency-stop-instruction-leaflet-il047025zu.pdf</a> |
| MCAD MODEL                | <a href="#">eaton-pushbuttons-mcad-drawings-m22-pvt30.dwg</a><br><a href="#">DA-CS-m22_pvt30</a>                  |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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