# Specifications



**Photo is representative**

## Eaton 121464

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palm-tree shape, 60 mm, Non-illuminated, Turn-to-release function, Red, yellow, RAL 3000

### General specifications

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|---|---|
| **PRODUCT NAME** | Eaton Moeller® series M22 emergency stop/emergency switching off pushbutton |
| **CATALOG NUMBER** | 121464 |
| **MODEL CODE** | M22-PVT60P |
| **EAN** | 4015081192847 |
| **PRODUCT LENGTH/DEPTH** | 67 mm |
| **PRODUCT HEIGHT** | 60 mm |
| **PRODUCT WIDTH** | 60 mm |
| **PRODUCT WEIGHT** | 0.051 kg |
| **COMPLIANCES** | CE |
| **CERTIFICATIONS** | VDE 0660<br>IEC/EN 60947<br>DNV |

## Actuator

| | |
|---|---|
| **ACTUATING FORCE** | 50 N |
| **ACTUATOR COLOR** | Red |
| **ACTUATOR DIAMETER** | 60 mm |
| **ACTUATOR FUNCTION** | Switching function latching<br>Turn-to-release |
| **COLOR** | Red |
| **DESIGN** | Palm-tree shaped<br>Classical |
| **ILLUMINATION** | Non-illuminated |
| **UNLOCKING METHOD** | Turn-release |

## Contacts

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|---|---|
| **FORCE FOR POSITIVE OPENING - MIN** | 0 N |

## Climatic environmental conditions

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|---|---|
| **AMBIENT OPERATING TEMPERATURE - MAX** | 70 °C |
| **AMBIENT STORAGE TEMPERATURE - MAX** | 80 °C |
| **AMBIENT OPERATING TEMPERATURE - MIN** | -25 °C |
| **AMBIENT STORAGE TEMPERATURE - MIN** | 40 °C |
| **CLIMATIC PROOFING** | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |

## Communication

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|---|---|
| **CONNECTION TO SMARTWIRE-DT** | No |

## Design verification

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|---|---|
| **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. |
| **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. |

## Features & functions

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

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|---|---|
| **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. |
| **EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID** | 0 W |
| **HEAT DISSIPATION CAPACITY PDISS** | 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 |

## General information

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|---|---|
| **DEGREE OF PROTECTION** | IP67/IP69K<br>NEMA 4X |
| **LIFESPAN, MECHANICAL** | 100,000 Operations |
| **MOUNTING POSITION** | As required |
| **OPENING DIAMETER** | 22.5 mm |
| **OPERATING FREQUENCY** | 600 Operations/h |
| **PRODUCT CATEGORY** | RMQ-Titan |
| **SIZE** | Front dimensions: 22 x 22 mm |
| **SUITABLE FOR** | Emergency stop |
| **TYPE** | Controlled stop pushbutton/emergency-stop button |

## Resources

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|---|---|
| **CATALOGUES** | eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf |
| **DECLARATIONS OF CONFORMITY** | eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu251534en.pdf<br><br>eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251132en.pdf |
| **DRAWINGS** | eaton-operating-m22-dimensions-015.eps<br><br>eaton-operating-m22-dimensions-014.eps<br><br>eaton-operating-m22-3d-drawing-002.eps<br><br>eaton-general-approval-m22-symbol.eps<br><br>eaton-operating-button-symbol-006.eps<br><br>eaton-general-m22-standards.eps<br><br>eaton-general-m22-symbol.eps |
| **ECAD MODEL** | ETN.121464.edz |
| **INSTALLATION INSTRUCTIONS** | IL04716002Z<br><br>IL04716005Z.pdf |
| **MCAD MODEL** | eaton-cam-switches-mcad-drawings-not-aus-60.dwg<br><br>DA-CS-not_aus_60 |

| | |
|---|---|
| **PROJECT NAME:** | |
| **PROJECT NUMBER:** | |
| **PREPARED BY:** | |
| **DATE:** | |

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