

# Specifications

## Eaton 121462

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

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton
<b>CATALOG NUMBER</b>	121462
<b>EAN</b>	4015081192823
<b>PRODUCT LENGTH/DEPTH</b>	67 mm
<b>PRODUCT HEIGHT</b>	45 mm
<b>PRODUCT WIDTH</b>	45 mm
<b>PRODUCT WEIGHT</b>	0.043 kg
<b>CERTIFICATIONS</b>	IEC/EN 60947 VDE 0660 DNV GL LR
<b>MODEL CODE</b>	M22-PVT45P

## Features & Functions

BEZEL COLOR	Other
BASE COLOR	Yellow
BEZEL MATERIAL	Other
COLOR	Red
DESIGN	Palm-tree shaped Classical
FEATURES	Tamper-proof (according to ISO 13850, EN 418)
ILLUMINATION	Non-illuminated
RAL-NUMBER	3000
UNLOCKING METHOD	Turn-release

## Ambient conditions, mechanical

MOUNTING POSITION	As required
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

## Communication

CONNECTION TO SMARTWIRE-DT	No
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## Contacts

FORCE FOR POSITIVE OPENING - MIN	0 N
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## General

DEGREE OF PROTECTION	IP67/IP69K NEMA 4X
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

## Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

## Actuator

ACTUATING FORCE	50 N
ACTUATOR COLOR	Red
ACTUATOR DIAMETER	45 mm
ACTUATOR FUNCTION	Switching function latching Turn-to-release

## Design verification

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	0 A

<b>HEAT DISSIPATION (IN)</b>	
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<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.
<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</b>	Is the panel builder's

<b>WITHSTAND VOLTAGE</b>	responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<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.

## Resources

### CATALOGUES

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

[Flip catalog - Product Range Catalog - Command and indication](#)

### CERTIFICATION REPORTS

[000Z425](#)

### DECLARATIONS OF CONFORMITY

[DA-DC-00004975.pdf](#)

[DA-DC-00004971.pdf](#)

### DRAWINGS

[eaton-operating-m22-dimensions-009.eps](#)

[eaton-operating-m22-dimensions-015.eps](#)

[eaton-operating-button-symbol.eps](#)

[eaton-general-approval-m22-symbol.eps](#)

[eaton-operating-button-symbol-006.eps](#)

[eaton-operating-m22-3d-drawing-002.eps](#)

[eaton-general-m22-standards.eps](#)

[eaton-general-m22-symbol.eps](#)

### ECAD MODEL

[ETN.121462.edz](#)

### INSTALLATION INSTRUCTIONS

[IL04716005Z.pdf](#)

[IL04716002Z](#)

### INSTALLATION VIDEOS

[RMQ Flat Design](#)

### MCAD MODEL

[DA-CS-not\\_aus\\_45](#)

[DA-CD-not\\_aus\\_45](#)

### MULTIMEDIA

[MCI Multicolor Light Indicator M22 with SmartWire-DT](#)

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator](#)

	<a href="#">MCI MultiColor Light Indicator RMQ compact solution</a>
	<a href="#">RMQ small E-Stop emergency-stop button</a>
SALES NOTES	<a href="#">eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf</a>
	<a href="#">eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf</a>
	<a href="#">eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf</a>
	<a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a>
SYSTEM OVERVIEW	<a href="#">Pilot devices - selection aid</a>

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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