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Powering Business Worldwide

M30-PV30 - Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, Pull-to-release function



197543 M30-PV30

[Overview](#) [Specifications](#) [Resources](#)



## 197543 M30-PV30

Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, Pull-to-release function

Emergency stop/emergency switching off pushbutton, Product range: RMQ-Titan, Single unit, Design: Mushroom-shaped, Diameter: 30 mm, Illumination: Non-illuminated, Pull-to-release function, Description: Tamper-proof according to ISO 13850/EN 418, Colour Mushroom head: Red, Colour Base: yellow, Degree of Protection: IP65, IP66, IP69, Connection to SmartWire-DT: no, Front dimensions: 35, Instructions: Max. number of contacts: four M22-(C)K01, ...10 or two M22-(C)K02, ...20, ...11, Standards: EN 50581:2012, EN 60947-5-1:2017, EN 60947-5-5:1997 + A1:2005 + A11:2013 + A2:2017, EN ISO 13850:2015, 2006/42/EC Machinery Directive



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### Delivery program

Product range

RMQ-Titan

Basic function

Controlled stop pushbuttons/emergency-stop buttons

Mounting hole diameter [□]

30.5 mm

Single unit/Complete unit

Single unit

Design

Mushroom-shaped

Diameter [□]

30 mm

Illumination

Non-illuminated

Pull-to-release function

Description

Tamper-proof according to ISO 13850/EN 418

Colour  
Mushroom head  
Red



Base  
yellow  
Degree of Protection  
IP65, IP66, IP69  
Connection to SmartWire-DT  
no  
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1  
Minimum force for positive opening [ N]  
0

#### Instructions

Max. number of contacts: four M22-(C)K01, ...10 or two M22-(C)K02, ...20, ...11

## Technical data

General  
Standards  
EN 50581:2012  
EN 60947-5-1:2017  
EN 60947-5-5:1997 + A1:2005 + A11:2013 + A2:2017  
EN ISO 13850:2015  
2006/42/EC Machinery Directive  
certificate  
CE, EAC UL, CSA, CCC  
Lifespan, mechanical [Operations]  
70000  
Operating frequency [Operations/h]  
 600  
Actuating force  
 50 n  
Climatic proofing  
Damp heat, constant, to IEC 60068-2-78  
Damp heat, cyclic, to IEC 60068-2-30  
Degree of Protection  
IP65, IP66, IP69  
Ambient temperatureOpen  
-25 - +70 °C  
Mounting position  
As required  
Mechanical shock resistance  
50  
Shock duration 11 ms  
Sinusoidal  
according to IEC 60068-2-27 g

## Design verification as per IEC/EN 61439

Technical data for design verification  
Rated operational current for specified heat dissipation [ $I_r$ ]  
0 A  
Heat dissipation per pole, current-dependent [ $P_{vid}$ ]  
0 W  
Equipment heat dissipation, current-dependent [ $P_{vid}$ ]  
0 W  
Static heat dissipation, non-current-dependent [ $P_{vs}$ ]  
0 W  
Heat dissipation capacity [ $P_{diss}$ ]  
0 W  
Operating ambient temperature min.  
-25 °C  
Operating ambient temperature max.  
+70 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts 10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 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.

## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])

Colour button

Red

Construction type lens

Round

Diameter cap

30 mm

Hole diameter

30.5 mm

Width opening

0 mm

Height opening

0 mm

Degree of protection (IP)

Other

Degree of protection (NEVA)

4X

Type of button

High

Suitable for illumination

No

Switching function latching

Yes

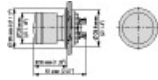
Spring-return

No  
With front ring  
No  
Material front ring  
Other  
Colour front ring  
Other  
Suitable for emergency stop  
Yes  
Unlocking method  
Full-release

## Approvals

North America Certification  
Request filed for UL, CSA certified

## Dimensions



## CAD data

- [Product-specific CAD data](#)  
(Web)
- [3D Preview](#)  
(Web)

## DWG files

- [DA-CD-m30\\_pv30](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.M30-PV30](#)  
File  
(Web)

## Step files

- [DA-CS-m30\\_pv30](#)  
File  
(Web)

## Additional product information

- [DGV Test Mark Customer Information](#)  
(PDF)

## Product photo



[M22-FV30\\_CTP](#)  
Photo



[M22-FV30\\_LTP](#)  
Photo

## Symbol

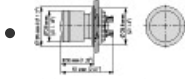


1160061

Graphic

Button plate, red

## Dimensions single product



1160DIM-213

Line drawing

## Instruction Leaflet

- [Emergency-Switching-Off/Emergency-Stop \(IL047025ZU\)](#)  
Asset  
(PDF, 05/2021, multilingual)

## Standards



000Z425

Logo

Certification: DGUV ET16107

## Declaration of Conformity

### EU

- [E-stop operating devices RMQ Titan & acc. M22/M30\(S\)-PV\(LT\)30...](#) (DA-DC-00003323)  
Asset  
(PDF)
- [Emergency-stop operating devices RMQ Titan & accessories M22-..., M30-...](#) (DA-DC-00003622)  
Asset  
(PDF)
- [DA-DC-dguv\\_test\\_zeichen\\_infoblatt\\_kunden](#)  
Asset  
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