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Powering Business Worldwide

M22-PVLT30 - Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 30 mm, Illuminated with LED element, Turn-to-release function, Red, yellow



197538 M22-PVLT30

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



## 197538 M22-PVLT30



Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 30 mm, Illuminated with LED element, Turn-to-release function, Red, yellow

Emergency stop/emergency switching off pushbutton, Product range: RMQ-Titan, Single unit, Design: Mushroom-shaped, Diameter: 30 mm, Illumination: Illuminated with LED element, Turn-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. Configuration: 4 x M22-(C)K01, ...10 or 2 x M22-(C)K02, ...20, ...11 and 1 x M22-(F)LED..., When using M22-PVL... with 1 x M22-K01SMC10 (single channel), article M22-XSMC (order no.: 173030) is required. Order this item separately., 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



• [Delivery program](#)

• [Technical data](#)

• [Design verification as per IEC/EN 61439](#)

• [Technical data ETIM 7.0](#)

• [Approvals](#)

• [Dimensions](#)

### Delivery program

Product range

RMQ-Titan

Basic function

Controlled stop pushbuttons/emergency-stop buttons

Mounting hole diameter [□]

22.5 mm

Single unit/Complete unit

Single unit

Design

Mushroom-shaped

Diameter [□]

30 mm

Illumination

Illuminated with LED element

Turn-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  
Front dimensions  
35

#### Instructions

Max. Configuration: 4 x M22-(C)K01, ...10 or 2 x M22-(C)K02, ...20, ...11 and 1 x M22-(F)LED...  
When using M22-PVL... with 1 x M22-K01SMC10 (single channel), article M22-XSMC (order no.: 173030) is required.  
Order this item separately.

## 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]  
60000  
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 temperature Open  
-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 [ $P_{id}$ ]  
0 W  
Equipment heat dissipation, current-dependent [ $P_{id}$ ]  
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 (ec@ss10.0.1-27-37-12-12 [AKF030014])

Colour button

Red

Construction type lens

Round

Diameter cap

30 mm

Hole diameter

22.5 mm

Width opening

0 mm

Height opening

0 mm

Degree of protection (IP)

Other

Degree of protection (NEMA)

4X

Type of button

High

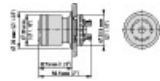
Suitable for illumination

Yes  
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  
Turn-release

## Approvals

North America Certification  
Request filed for UL, CSA certified

## Dimensions



## IL04716002Z RMQ-Titan system

- [IL04716002Z RMQ-Titan system](#)  
(PDF)

## IL047025ZU RMQ Titan: Emergency stop pushbuttons, emergency switching off pushbuttons

- [IL047025ZU RMQ Titan: Emergency stop pushbuttons, emergency switching off pushbuttons](#)  
(PDF)

## CAD data

- [Product-specific CAD data](#)  
(Web)
- [3D Preview](#)  
(Web)
- [DA-CD-m22\\_pvl30](#)  
CAD data  
DWG files  
(Web)
- [DA-CE-ETN.M22-PVLT30](#)  
CAD data  
edz files  
(Web)
- [DA-CS-m22\\_pvl30](#)  
CAD data  
Step files  
(Web)

## Additional product information

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

## Product photo

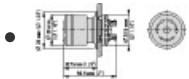


[Photo](#)  
Product photo  
[Photo](#)



[Photo](#)  
Product photo  
[Photo](#)

## Dimensions single product




[1160DIM-212](#)  
Dimensions single product  
[Line drawing](#)

## Standards



[000Z425](#)  
Standards  
Logo  
Certification: DGUV ET16107

## Symbol

-   
[000Z016](#)  
Symbol  
Graphic  
Certification: Swiss Accident Insurance Institute



[1160SFC-75](#)  
Symbol  
Graphic  
Button plate red, white arrows, red LED

## Declaration of Conformity

- [DA-DC-00003323](#)  
Declaration of Conformity  
(PDF)

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