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Powering Business Worldwide

M22-PVL30 - Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 30 mm, Illuminated with LED element, Pull-to-release function, Red, yellow



197537 M22-PVL30

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197537 M22-PVL30



Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 30 mm, Illuminated with LED element, Pull-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, 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. 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



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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

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
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]
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 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

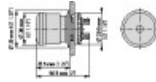
Suitable for illumination

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
Full-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 OFF pushbuttons

- [IL047025ZU RMQ Titan: EMERGENCY STOP pushbuttons, EMERGENCY 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-PVL30](#)
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

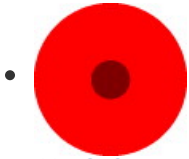


[Photo](#)
Product photo
[Photo](#)



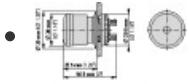
[Photo](#)
Product photo
[Photo](#)

Symbol



[1160SFC-74](#)
Symbol
Graphic
Button plate, red, red LED

Dimensions single product



[1160DIM-211](#)
Dimensions single product
Line drawing

Standards



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

Declaration of Conformity

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

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