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Powering Business Worldwide

M22S-PVL - HALT/STOP-Button, RMQ-Titan, Mushroom-shaped, 38 mm, Illuminated with LED element, Pull-to-release function, Black, yellow, RAL 9005



230962 M22S-PVL

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## 230962 M22S-PVL

HALT/STOP-Button, RMQ-Titan, Mushroom-shaped, 38 mm, Illuminated with LED element, Pull-to-release function, Black, yellow, RAL 9005

Alternate Catalog No.

M22S-PVLQ

EL-Nummer (Norway)

4355764

HALT/STOP-Button, Product range: RMQ-Titan, Single unit, Design: Mushroom-shaped, Diameter: 38 mm, Illumination: Illuminated with LED element, Pull-to-release function, Colour Mushroom head: Black, Colour Base: yellow, Colour RAL Value: RAL 9005, Degree of Protection: IP66, IP67, IP69K, Connection to SmartWire-DT: yes, with SWD-RMQ connections, Front dimensions: 35, Standards: IEC/EN 60947, VDE 0660

- Delivery program
- Technical data
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- Technical data ETIM 6.0
- Approvals
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### Delivery program

Product range  
RMQ-Titan  
Basic function  
STOP pushbuttons  
Emergency stop pushbuttons  
Mounting hole diameter [□]  
22.5 mm  
Single unit/Complete unit  
Single unit  
Design  
Mushroom-shaped  
Diameter [□]  
38 mm  
Illumination  
Illuminated with LED element  
Pull-to-release function  
Colour  
Mushroom head  
Black



Base

yellow  
RAL Value  
RAL 9005  
RAL 9005  
Degree of Protection  
IP66, IP67, IP69  
Connection to SmartWire-DT  
yes  
with SWD-RMQ connections

#### 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  
IEC/EN 60947  
VDE 0660  
Lifespan, mechanical [Operations]  
> 0.1 x 10<sup>6</sup>  
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  
IP66, IP67, 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  
shipping classification  
DNV  
GL  
LR



## Design verification as per IEC/EN 61439

Technical data for design verification  
Rated operational current for specified heat dissipation [I<sub>r</sub>]  
0 A  
Heat dissipation per pole, current-dependent [P<sub>vd</sub>]  
0 W  
Equipment heat dissipation, current-dependent [P<sub>vd</sub>]  
0 W  
Static heat dissipation, non-current-dependent [P<sub>vs</sub>]  
0 W  
Heat dissipation capacity [P<sub>diss</sub>]  
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.  
 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.

## Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Front element for push button (EC000221)  
 Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss8.1-27-37-12-10 [AKF028011])  
 Colour button  
 Red  
 Number of command positions  
 1  
 Construction type lens  
 Round  
 Hole diameter  
 22 mm  
 Width opening  
 0 mm  
 Height meter opening  
 0 mm  
 Degree of protection (IP), front side  
 IP67  
 Type of button  
 Flat  
 Suitable for illumination  
 Yes  
 With protection cover  
 No  
 Labelled

No  
Switching function latching  
No  
Spring-return  
Yes  
With front ring  
Yes  
Material front ring  
Plastic  
Colour front ring  
Black

## Approvals

Product Standards  
IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking  
UL File No.  
E29184  
UL Category Control No.  
NKCR  
CSA File No.  
012528  
CSA Class No.  
3211-03  
North America Certification  
UL listed, CSA certified  
Degree of Protection  
UL/CSA Type 3R, 4X, 12, 13

## Dimensions



## CAD data

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

## DWG files

- [DA-CD-not\\_aus](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.M22S-PVL](#)  
File  
(Web)

## Step files

- [DA-CS-not\\_aus](#)  
File  
(Web)

## 3D drawing

- [116I253](#)  
Line drawing  
Emergency-Stop actuators

## Dimensions single product

- [116X216](#)

## Product photo



1160PIC-1375  
Photo

## Symbol



Germanischer Lloyd  
0000SFC-180  
Graphic  
Germanischer Lloyd approval for Germany (color logo)



DNV  
0000SFC-183  
Logo  
Approval Norway Det Norske Veritas DNV



1160SFC-68  
Graphic  
Button plate, black, red LED



116C060  
Graphic  
Button plate, black

## Instruction Leaflet

- [RMQ-Titan System \(IL04716002Z\)](#)  
Asset  
former AWA1160-1745, IL04716001E  
(PDF, 09/2020, multilingual)

## StandardsSymbol



0000SFC-179  
Graphic  
Lloyd's Register approval for Great Britain

## Declaration of Conformity

### EU

- [RMQ Titan \(Operating and signalling devices\) M2.../M30.../C22.../C30...](#) (DA-DC-00003657)  
Asset  
(PDF)

UK

- [RMQ Titan \(Operating and signalling devices\) M22.../M30.../C22.../C30... \(DA-DC-00003960\)](#)  
Asset  
(PDF)

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