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M22-112 - Surface mounting enclosure, 12 mounting locations



222688 M22-112

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## 222688 M22-112

Surface mounting enclosure, 12 mounting locations

Alternate Catalog No.

M22-112Q

EL-Nummer (Norway)

4355389

Surface mounting enclosure, Housing: Insulated material, With high-grade steel screws, Number of locations: 12, Degree of Protection: IP66, Colour RAL Value: RAL 7035, Colour: Enclosure base anthracite, Connection to SmartWire-DT: no, For use with: 12 x 22.5, For use with: (Illuminated) pushbuttons, (Illuminated) selector switches, Key-operated pushbuttons, Indicator light, controlled stop/emergency-stop buttons with yellow label

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### Delivery program

Basic function accessories

Surface mounting enclosure

Housing

Insulated material

With high-grade steel screws

Number of locations

12 Qty.

Degree of Protection

IP66

Colour



RAL Value

RAL 7035

Colour

Enclosure base anthracite

Connection to SmartWire-DT

no

For use with

12 x □ 22.5

For use with

(Illuminated) pushbuttons  
(Illuminated) selector switches  
Key-operated pushbuttons  
Indicator light  
controlled stop/emergency-stop buttons with yellow label

## Technical data

General  
Degree of Protection  
IP66  
Ambient temperatureOpen  
-25 - +70 °C  
Cable entry knockoutsBase  
2 x 32/25 Quantity x M..  
Cable entry knockoutsSides  
2 x 20  
4 x 32/25 Quantity x M..

## Design verification as per IEC/EN 61439

Technical data for design verification

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

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

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 7.0

Low-voltage industrial components (EG000017) / Enclosure for control circuit devices (EC000200)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Housing for command and alarm devices (ecl@ss10.0.1-27-37-12-05 [AKF023014])

Number of command positions

12

Construction type housing

Surface mounting housing

Material housing

Plastic

Material quality housing

Other

Diameter openings

22.5 mm

Colour housing cover

Grey

Degree of protection (IP)

IP66

Degree of protection (NEMA)

4X

Width

160 mm

Height

240 mm

Depth

125 mm

## 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

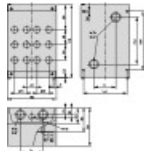
North America Certification

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)

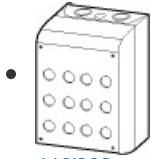
## DWG files

- [DA-CD-aufbauehaeuse\\_gr\\_12](#)  
File  
(Web)

## Step files

- [DA-CS-aufbaugehaeuse\\_gr\\_12](#)  
File  
(Web)

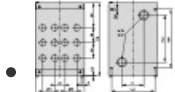
## 3D drawing



[116I302](#)

Line drawing  
Surface mounting enclosure

## Dimensions single product



[116X119](#)

Line drawing  
Surface mounting enclosure

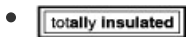
## Product photo



[1160PIC-690](#)

Photo

## Symbol



[000Z083](#)

Logo  
totally insulated (en, de, fr, es, it, zh, ru, nl, sv, cs, pl, tr)



[116C062](#)

Graphic  
Button plate, grey

## Instruction Leaflet

- [RMQ-Titan: Set of plaster keys \(IL04716003Z\)](#)  
Asset  
(PDF, multilingual)

## Declaration of Conformity

### EU

- [RMQ Titan \(Operating and signalling devices\) M22.../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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