

Select your language

- German
- English
- Spanish
- French
- Dutch
- Italian
- Polish
- Czech
- Russian
- Norwegian Bokmål

Worldwide English



M22-IY1 - Surface mounting enclosure, yellow, 1 mounting location



216536 M22-IY1

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



216536 M22-IY1

Surface mounting enclosure, yellow, 1 mounting location

Alternate Catalog No.

M22-IY1Q

EL-Nummer (Norway)

4355384

Surface mounting enclosure, Housing: Insulated material, With high-grade steel screws, Number of locations: 1, Cable entry: rear: 2 x M16, at top: 1 x M20, lateral: 2 x M20/M25 (1 x each side), Degree of Protection: IP66, IP67, IP69K, Colour RAL Value: RAL 1004, Colour: Enclosure base anthracite, Connection to SmartWire-DT: no, For use with: 1 x 22.5, For use with: Controlled stop/emergency-stop buttons

• [Delivery program](#)

• [Technical data](#)

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

• [Technical data ETIM 7.0](#)

• [Approvals](#)

• [Dimensions](#)

Delivery program

Basic function accessories

Surface mounting enclosure

Housing

Insulated material

With high-grade steel screws

Number of locations

1 Qty.

Cable entry knockouts

Cable entry

rear: 2 x M16

at top: 1 x M20

lateral: 2 x M20/M25 (1 x each side)

Degree of Protection

IP66, IP67, IP69

Colour



RAL Value

RAL 1004

Colour

Enclosure base anthracite

Connection to SmartWire-DT
no
For use with
1 x □ 22.5
For use with
Controlled stop/emergency-stop buttons

Technical data

General
Degree of Protection
IP66, IP67, IP69
Ambient temperature Open
-25 - +70 °C

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

1

Construction type housing

Surface mounting housing

Material housing

Plastic

Material quality housing

Other

Diameter openings

22.5 mm

Colour housing cover

Yellow

Degree of protection (IP)

IP67/IP69K

Degree of protection (NEMA)

4X

Width

72 mm

Height

80 mm

Depth

56 mm

Approvals

Product Standards

IEC/EN 60947-5; UL 508; CSA-C22.2 Nb. 14-05; CSA-C22.2 Nb. 94-91; CE marking

UL File No.

E29184

UL Category Control No.

NKCR

CSA File No.

012528

CSA Class No.

3211-03

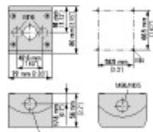
North America Certification

UL listed, CSA certified

Degree of Protection

UL/CSA Type 3R, 4X, 12, 13

Dimensions



Premoulded cable entry: bottom 2 x M16, top: 1 x M20, side: 2 x M20/M25 (per side 1 x)

CAD data

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

DWG files

- [DA-CD-aufbauehaeuse_gr_1](#)
File
(Web)

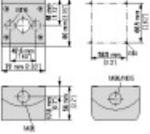
Step files

- [DA-CS-aufbauehaeuse_gr_1](#)
File
(Web)

3D drawing

- [116310](#)
Line drawing
Surface mounting enclosure

Dimensions single product



- [116X170](#)
Line drawing
Surface mounting enclosure

Product photo



- [1160FIC-167](#)
Photo
Surface mounting enclosure for Emergency-Stop buttons

Symbol

- [000Z083](#)
Logo
totally insulated (en, de, fr, es, it, zh, ru, nl, sv, cs, pl, tr)



- [116C064](#)
Graphic
Button plate, yellow

Instruction Leaflet

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

Service

- [Form for ordering customer-specific complete devices \(MZ047003ZU\)](#)
former FO315
(PDF, 02/2021, de, en)

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)

Download-Center

- [Download-Center \(this item\)](#)
Eaton EMEA Download-Center - download data for this item
- [Download-Center](#)
Eaton EMEA Download-Center



[Generate data sheet in PDF format](#)



[Generate data sheet in Excel format](#)



[Write a comment](#)

[Imprint](#) [Privacy Policy](#) [Legal Disclaimer](#) [Terms and Conditions](#)

© 2021 by Eaton Industries GmbH

