216524 M22-PV/KC02/IY

Housing, Controlled stop pushbuttons/emergency-stop buttons, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, 2 NC, Screw connection, Red, Yellow

Alternate Catalog No.	M22-PV-KC02-IYQ
EL-Nummer (Norway)	4355297

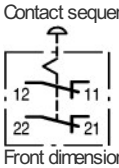
Housing, Product range: RMQ-Titan, Complete unit, Design: Mushroom-shaped, Diameter: 38 mm, Non-illuminated, Pull-to-release function, Connection type: Screw connection, Description: Tamper-proof according to ISO 13850/EN 418, Colour Mushroom head: Red, Colour Enclosure covers: Yellow, Degree of Protection: IP66, IP69K, Connection to SmartWire-DT: no, Contacts N/C = Normally closed: 2 NC, Contacts Notes = safety function, by positive opening to IEC/EN 60947-5-1, Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1: mm 4.8, Maximum travel: mm 5.7, Minimum force for positive opening: N 30, Front dimensions: 35, Standards: IEC/EN 60947, VDE 0660, Mounting position: As required

- 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
Housing
Controlled stop pushbuttons/emergency-stop buttons
Single unit/Complete unit
Complete unit
Design
Mushroom-shaped
Diameter [□]
38 mm
Illumination
Non-illuminated
Approval
Pull-to-release function
Connection type
Screw connection
Description
Tamper-proof according to ISO 13850/EN 418
Colour
Mushroom head
Red

Enclosure covers
Yellow
Degree of Protection
IP66, IP69
Connection to SmartWire-DT
no
Contacts
N/C = Normally closed
2 NC
Notes
= safety function, by positive opening to IEC/EN 60947-5-1
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1
[mm]
4.8
Maximum travel [mm]
5.7
Minimum force for positive opening [N]
30
Contact sequence



Front dimensions
35

Technical data

General
Standards
IEC/EN 60947
VDE 0660
Lifespan, mechanical [Operations]
> 0.1 x 10^6
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, 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

Contacts
Rated conditional short-circuit current [I_q]
1 kA

Design verification as per IEC/EN 61439

Technical data for design verification
Rated operational current for specified heat dissipation [I_n]
6 A
Heat dissipation per pole, current-dependent [P_{vid}]
0.11 W
Equipment heat dissipation, current-dependent [P_{vid}]
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 parts10.2.2 Corrosion resistance
Meets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation
Please enquire
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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) / Control circuit devices combination in enclosure (EC000225)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Command and alarm device combination in housing (ecl@ss10.0.1-27-37-12-16 [AKF034014])
Number of command positions
1
Number of push buttons
1
Number of indicator lights
0
Number of key switches
0
Number of selector switches
0
Number of mushroom-shaped push-buttons
0
Suitable for emergency stop
Yes
Rated control supply voltage Us at AC 50HZ
115 - 500 V
Rated control supply voltage Us at AC 60HZ
115 - 500 V
Rated control supply voltage Us at DC
24 - 220 V
Colour housing cover
Yellow
Material housing
Plastic
Number of contacts as normally open contact
0
Number of contacts as normally closed contact
2
Number of contacts as change-over contact
0
Degree of protection (IP)
IP66
Degree of protection (NEMA)
4X

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

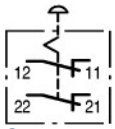
CAD data

- Product-specific CAD data
  (Web)
- 3D Preview
  (Web)

Additional product information

- DGUV Test Mark Customer Information
  (PDF)

Wiring diagram

- 

  Contact sequence
  2 break contacts
  Wiring diagram
  Line drawing

Instruction Leaflet

- IL04716005Z2020_01
  IL04716005Z RMQ-Titan: Emergency-Stop buttons, Emergency-Switching-Off buttons
  Instruction Leaflet
  (PDF, International)
- RMQ-Titan: Set of plaster keys (IL04716003Z2018_06)
  Instruction Leaflet
  (PDF, International)
- RMQ-Titan: Emergency-Stop buttons, Emergency-Switching-Off buttons (IL04716005Z2019_05)
  Instruction Leaflet
  (PDF, International)

Declaration of Conformity

- DA-DC-00003256
  Declaration of Conformity
  (PDF)
- DA-DC-00003298
  Declaration of Conformity
  (PDF)

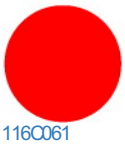
3D drawing

- 116J001
  Top mounting Emergency-Stop button
  3D drawing
  Line drawing

Product photo

- 
  Photo
  Top mounting Emergency-Stop actuator
  Product photo
  Photo

Symbol

- 0000SPC-180
  Germanischer Lloyd approval for Germany (color logo)
  Symbol
  Graphic
- 
  Approval
  Square style
  Symbol
  Graphic
- 
  116C061
  Button plate, red
  Symbol
  Graphic
- 116C064
  Button plate, yellow
  Symbol
  Graphic

Standards

- 0000SPC-183
  Approval Norway Det Norske Veritas DNV
  Standards
  Logo
- 
  Approval
  Certification: DGUV ET16107
  Standards
  Logo

Dimensions single product

- 1160DIM-4
  Emergency-Stop actuators
  Dimensions single product
  Line drawing
- 116X121
  Actuator and signalling element
  Dimensions single product
  Line drawing
- 1160DIM-182
  Dimensions single product
  Line drawing

StandardsSymbol

- 0000SPC-179
  Lloyd's Register approval for Great Britain
  Standards
  Symbol
  Graphic

Download-Center

- Download-Center (this item)
  Eaton EMEA Download-Center - download data for this item
- Download-Center
  Eaton EMEA Download-Center

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Generate data sheet in Excel format
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