
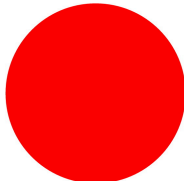


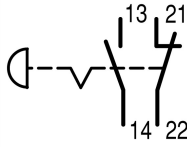




Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, 1 NC, 1 N/O, Red, yellow

Part no. M22-PV/K11
Catalog No. 216516
Alternate Catalog No. M22-PV-K11Q
EL-Nummer 4355289
(Norway)


Delivery program

| | | | |
|---|----|----|--|
| Product range | | | RMQ-Titan |
| Basic function | | | Controlled stop pushbuttons/emergency-stop buttons |
| Mounting hole diameter | ∅ | mm | 22.5 |
| Single unit/Complete unit | | | Complete unit |
| Design | | | Mushroom-shaped |
| Diameter | ∅ | mm | 38 |
| 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 |
| | | |  |
| Base | | | yellow |
| Degree of Protection | | | IP66, IP69 |
| Connection to SmartWire-DT | | | no |
| Contacts | | | |
| N/C = Normally closed | | | 1 NC  |
| N/O = Normally open | | | 1 N/O |
| 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 | | 20 |
| Contact sequence | | |  |
| Front dimensions | | | 35 |

| | | | |
|---------------------|--|--|---|
| Instructions | | | Max. number of contacts: four M22-(C)K01, ...10 or two M22-(C)K02, ...20, ...11 |
|---------------------|--|--|---|

Technical data

General

| | | | |
|-----------------------------|--------------|-------------------|---|
| Standards | | | IEC/EN 60947 VDE 0660 |
| Lifespan, mechanical | Operations | x 10 ⁶ | > 0.1 |
| Operating frequency | Operations/h | | ≤ 600 |
| Actuating force | | n | ≤ 50 |
| Climatic proofing | | | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Degree of Protection | | | IP66, IP69 |
| Ambient temperature | | | |
| Open | | °C | -25 - +70 |
| Mounting position | | | As required |
| Mechanical shock resistance | | g | 50 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 |
| shipping classification | | | DNV GL LR |
| | | |    |

Contacts

| | | | |
|---|----------------|----|---|
| Rated conditional short-circuit current | I _q | kA | 1 |
|---|----------------|----|---|

Design verification as per IEC/EN 61439

| | | | |
|--|-------------------|----|--|
| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | I _n | A | 6 |
| Heat dissipation per pole, current-dependent | P _{vid} | W | 0.11 |
| Equipment heat dissipation, current-dependent | P _{vid} | W | 0 |
| Static heat dissipation, non-current-dependent | P _{vs} | W | 0 |
| Heat dissipation capacity | P _{diss} | W | 0 |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 70 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 10.2.2 Corrosion resistance | | | |
| 10.2.3.1 Verification of thermal stability of enclosures | | | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | | | Meets the product standard's requirements. |
| 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. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | | Please enquire |
| 10.2.5 Lifting | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 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. |
| 10.9.3 Impulse withstand voltage | | | Is the panel builder's responsibility. |
| 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) / Emergency stop complete (EC002034) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / EMERGENCY-STOP pushbutton, complete device (ec@ss10.0.1-27-37-12-44 [ACN986011]) | | | |
| Unlocking method | | | Pull-release |
| Number of contacts as normally closed contact | | | 1 |
| Number of contacts as normally open contact | | | 1 |
| Degree of protection (IP) | | | IP66 |
| Mounting method | | | Built-in |
| With lighting | | | No |
| Hole diameter | | mm | 22.5 |
| Connection type auxiliary circuit | | | Screw connection |
| Diameter cap | | mm | 38 |

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 |

Additional product information (links)

| | |
|--|---|
| IL04716002Z (AWA1160-1745) RMQ-Titan System | |
| IL04716002Z (AWA1160-1745) RMQ-Titan System | https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2020_09.pdf |
| DGUV Test Mark Customer Information | http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agb-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf |