DATASHEET - M22-PVS45P-MS1



Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palmtree shape, 45 mm, Non-illuminated, Key-release, MS1, Red, yellow, RAL 3000, Not suitable for master key systems



Part no. M22-PVS45P-MS1

Catalog No. 121468

Alternate Catalog M22-PVS45P-MS10

No.

EL-Nummer 4315249

(Norway)

Similar to illustration

| Froduct range RMD-Trian Corrolled stop pushbuttons/emergency-stop buttons | Delivery program | | | |
|--|--------------------------------------|---|----|--|
| Abunting hole diameter ingle unit/Complete unit leasing leasing liameter Palm-tree shape Palm-tr | Product range | | | RMQ-Titan |
| Single unit palmeter | Basic function | | | Controlled stop pushbuttons/emergency-stop buttons |
| Palm-tree shape lamination Palm-tree shape Mon-illuminated Non-illuminated Non-illumina | Mounting hole diameter | Ø | mm | 22.5 |
| Interior of the content of the conte | Single unit/Complete unit | | | Single unit |
| Non-illumination Lapproval Lapp | Design | | | Palm-tree shape |
| Reproval Reprov | Diameter | Ø | mm | 45 |
| Sicherheit geprüft tested safety Key-release Key-release Tamper-proof according to ISD 13850/EN 418 Not suitable for master key systems MS1 Colour Mushroom head Red MS1 Colour Red MS1 Colour Red MS1 Colour Red Colour Red MS1 Colour Red Colour Colour Red Colour | Illumination | | | Non-illuminated |
| Tamper-proof according to ISO 13850/EN 418 Not suitable for master key systems MS1 Mushroom head Red Red Base Perce of Protection Protect | Approval | | | ET 16107 Sicherheit geprüft tested safety |
| Not suitable for master key systems ock mechanism MS1 Red Red Base yellow RAL 3000 RAL 3000 RIP66, IP67, IP69 connection to SmartWire-DT one structions Max. number of contacts: four M22-{C)K01,10 or two M22-{C)K02,20,11 or two M22-{C)K02,20,20 or two M22-{C)K02,20 or two M22-{C)K02,2 | 5 | | | |
| colour Mushroom head Red Base yellow RAL 3000 Rege of Protection PREG PEG, IPEG connection to SmartWire-DT no natructions MAX. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11 | Description | | | |
| Mushroom head Red Red Vellow RAL 3000 Regree of Protection Regree of | | | | |
| Mushroom head Red Page 1 Page 2 Page 2 Page 3 Page 4 Page 3 Page 4 Pa | | | | MS1 |
| Base yellow RAL 3000 Regree of Protection Protection IP66, IP67, IP69 connection to SmartWire-DT no matructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11 | Colour | | | |
| RAL 3000 Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no Instructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11 | Mushroom head | | | Red |
| RAL 3000 Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no Instructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11 | | | | |
| Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no Instructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11 | Base | | | yellow |
| Connection to SmartWire-DT no mstructions no Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11 | | | | RAL 3000 |
| Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11 | Degree of Protection | | | IP66, IP67, IP69 |
| | Connection to SmartWire-DT | | | no |
| nformation about equipment supplied 1 key included as standard | Instructions | | | Max. number of contacts: four M22-(C)K01, \dots 10 or two M22-(C)K02, \dots 20, \dots 11 |
| | Information about equipment supplied | | | 1 key included as standard |

Technical data

Ganaral

| 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, IP67, 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 |
| | | Lloyd's Register |
| | | DIV Germanischer Lloyd TYPE APPROVED |

Design verification as per IEC/EN 61439

| Technical data for design verification | | | |
|---|-------------------|----|--|
| Rated operational current for specified heat dissipation | In | Α | 0 |
| Heat dissipation per pole, current-dependent | P _{vid} | W | 0 |
| 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 | | | Meets the product standard's requirements. |
| 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 | | | Not applicable. |
| 10.11 Short-circuit rating | | | Is the panel builder's responsibility. The specifications for the switch gear must be observed. |
| 10.12 Electromagnetic compatibility | | | Is the panel builder's responsibility. The specifications for the switch gear 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

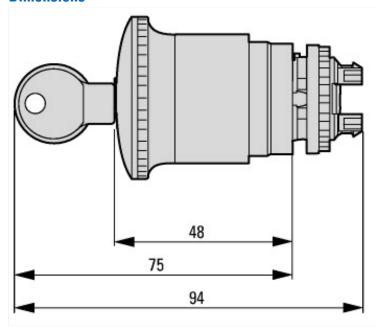
Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)

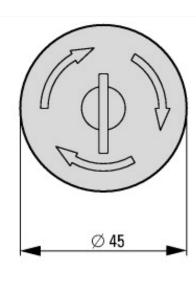
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014]) | | | |
|--|----|-------------|--|
| Colour button | | Red | |
| Construction type lens | | Round | |
| Diameter cap | mm | 45 | |
| Hole diameter | mm | 22.5 | |
| Width opening | mm | 0 | |
| Height opening | mm | 0 | |
| Degree of protection (IP) | | IP67/IP69K | |
| Degree of protection (NEMA) | | 4X | |
| Type of button | | Flat | |
| Suitable for illumination | | No | |
| Switching function latching | | Yes | |
| Spring-return | | No | |
| Nith front ring | | No | |
| Material front ring | | Other | |
| Colour front ring | | Other | |
| Suitable for emergency stop | | Yes | |
| Unlocking method | | Key-release | |

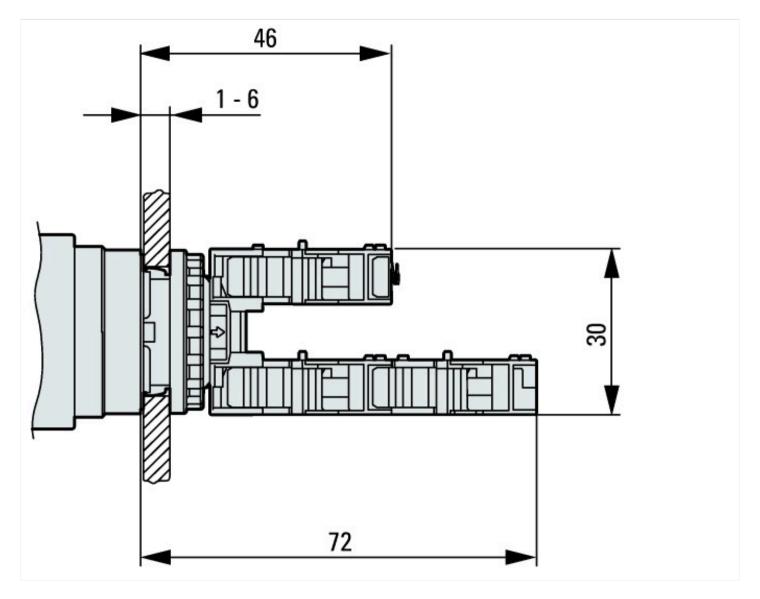
Approvals

North America Certification Request filed for UL and CSA

Dimensions







Additional product information (links)

DGUV Test Mark Customer Information

 $http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agb-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf$