



Emergency-stop/off pushbutton, D=45mm, pull release

Part no. M22-PV45P
Catalog No. 152862
Alternate Catalog No. M22-PV45PQ
No. 4315266
EL-Nummer (Norway)

Delivery program

| | | | |
|---|--|----|-----------------|
| Product range | RMQ-Titan | | |
| Basic function | Controlled stop pushbuttons/emergency-stop buttons | | |
| Single unit/Complete unit | Single unit | | |
| Design | ∅ | mm | Palm-tree shape |
| Diameter | | | 45 |
| Illumination | Non-illuminated | | |
| Approval |   | | |
| Description | Pull-to-release function | | |
| Colour | Tamper-proof according to ISO 13850/EN 418 | | |
| Mushroom head | Red | | |
| Base | yellow | | |
| Degree of Protection | IP66, IP69 | | |
| Connection to SmartWire-DT | no | | |
| Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1 | | | |
| Minimum force for positive opening | N | 0 | |
| 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 | $\times 10^6$ | > 0.1 |
| Operating frequency | Operations/h | | |
| 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 | |

shipping classification

DNV
GL
LR

Germanischer Lloyd


Design verification as per IEC/EN 61439

| Technical data for design verification | I _n | A | 0 |
|--|-------------------|----|--|
| Rated operational current for specified heat dissipation | | | |
| 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 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

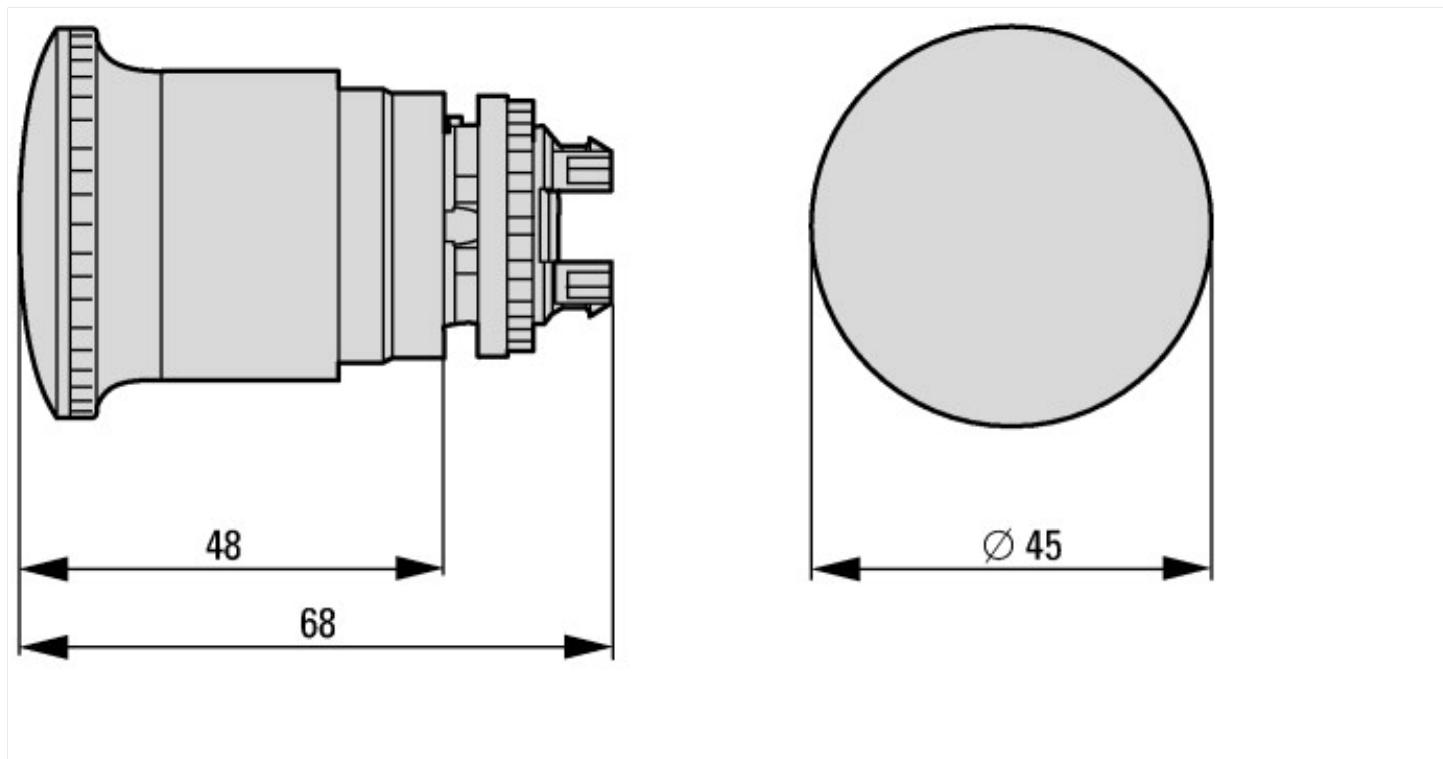
Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)

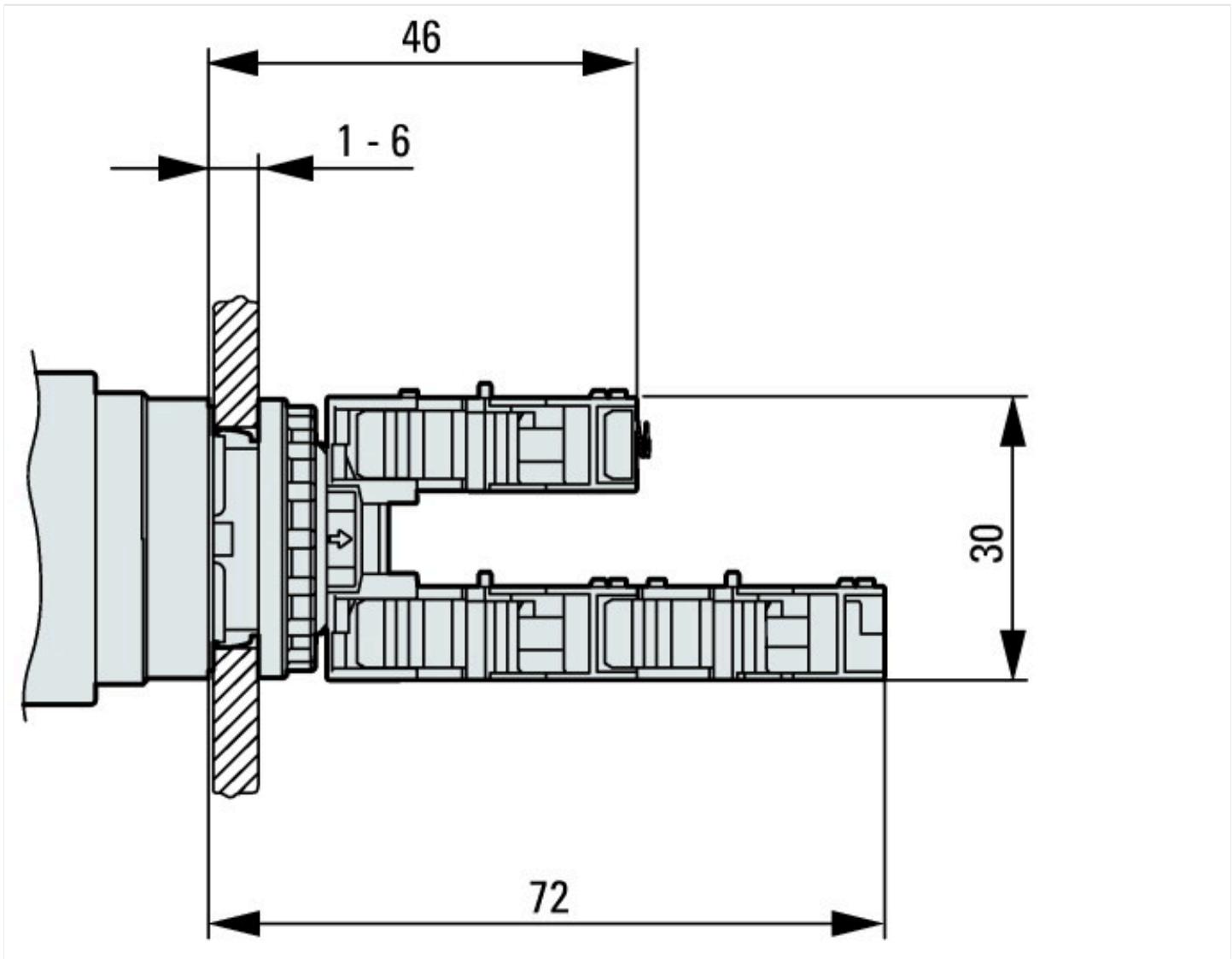
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])

| | | |
|------------------------|----|-------|
| 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) | | Other |
| Degree of protection (NEMA) | | 4X |
| Type of button | | High |
| Suitable for illumination | | No |
| Switching function latching | | Yes |
| Spring-return | | No |
| With front ring | | No |
| Material front ring | | Plastic |
| Colour front ring | | Black |
| Suitable for emergency stop | | Yes |
| Unlocking method | | Pull-release |

Dimensions





Assets (links)

[Declaration of CE Conformity](#)

00003256

[Instruction Leaflets](#)

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