

PSR-ESS-M0-H120 - Actuator



1221753

<https://www.phoenixcontact.com/us/products/1221753>

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Actuator with light-up anti-lock collar for modular emergency stop switches, for combination with module holder and contact module as a functional unit, panel installation, bayonet lock

Product description

Phoenix Contact emergency stop switches are electromechanical switching devices with a safety function. They are used to safely shut down or stop machines and systems in order to prevent or minimize personal injury and property damage. The portfolio includes a modular system as well as a preconfigured solution. The modular emergency stop switch is comprised of the following components: - PSR-ESS-M0-H100 / ...110 / ...120 actuator - PSR-ESS-ACC-CB1-C... module holder - PSR-ESS-ACC-CB1-NC-SC or PSR-ESS-ACC-CB1-SM-SC safe contact module Further contact modules can be combined if required.

Your advantages

- Modular system allows an efficient solution for individual applications
- Bayonet lock allows tool-free connection with the actuator
- Rapid on-site diagnostics with color-coded switching position indicator
- Increased occupational safety with illuminated cover as an option

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1221753 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN04 |
| Product key | DNA621 |
| GTIN | 4063151310585 |
| Weight per piece (including packing) | 65.6 g |
| Weight per piece (excluding packing) | 41.7 g |
| Customs tariff number | 85365080 |
| Country of origin | DE |

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Technical data

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Product properties

| | |
|----------------|---------------------------------|
| Product type | Actuator |
| Product family | Modular emergency stop switches |

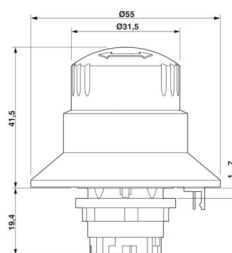
Electrical properties

Lighting

| | |
|-------------------------|-------------------------|
| Supply voltage | 24 V DC |
| Mechanical service life | 50,000 switching cycles |

Dimensions

Dimensional drawing



| | |
|----------|---------|
| Depth | 60.9 mm |
| Diameter | 55 mm |

Material specifications

| | |
|--|-------------------|
| Color (Mushroom head button) | red (RAL 3001) |
| Color (Front frame) | yellow (RAL 1018) |
| Flammability rating according to UL 94 | V2 |
| Housing material | PA |

Environmental and real-life conditions

Ambient conditions

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|---|---|
| Degree of protection | IP65 (with professional installation in the appropriate installation space) |
| Ambient temperature (operation) | -30 °C ... 65 °C |
| Ambient temperature (storage/transport) | -50 °C ... 85 °C |
| Maximum altitude | max. 2000 m (Above sea level) |
| Shock | 15g / 11 ms, in accordance with IEC 60068-2-27 |
| Vibration (operation) | 10 Hz ... 500 Hz, 0.35 mm amplitude, 5g, in accordance with IEC 60068-2-6 |

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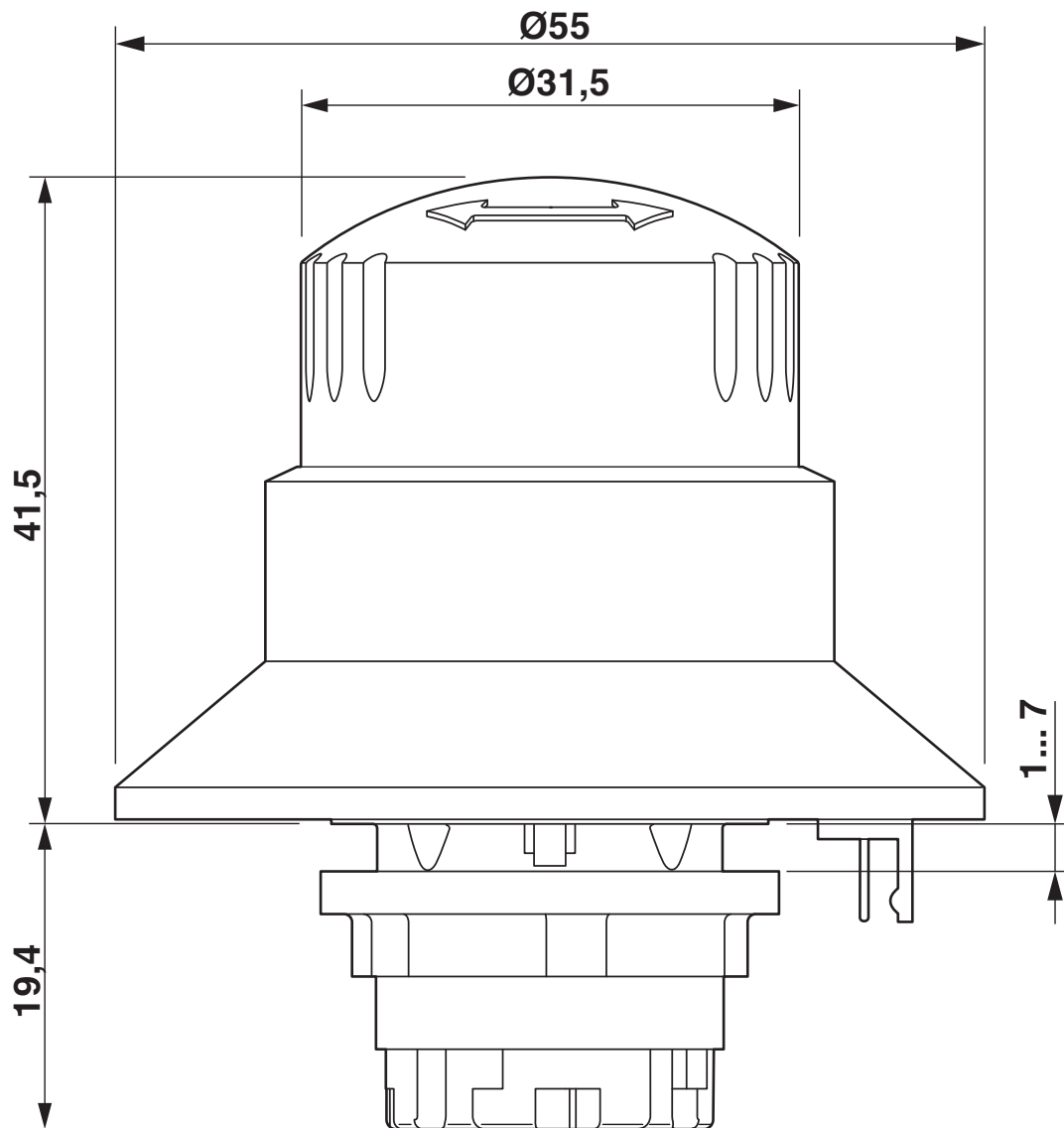
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Mounting

| | |
|------------------------|----------------------------------|
| Mounting type | Panel mount |
| Assembly note | Mounting nut torque: max. 2.5 Nm |
| Mounting position | any |
| Mounting hole diameter | 22.30 mm |

Drawings

Dimensional drawing



Dimensions (in mm)

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1221753>



UL Recognized

Approval ID: E519465



UL Listed

Approval ID: E140324



cUL Listed

Approval ID: E140324



Functional Safety

Approval ID: B 029429 0031

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27371212 |
| ECLASS-15.0 | 27371212 |

ETIM

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|----------|----------|
| ETIM 9.0 | EC001038 |
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UNSPSC

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|-------------|----------|
| UNSPSC 21.0 | 39122200 |
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Environmental product compliance

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|---|--|
| EU RoHS | |
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
| China RoHS | |
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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