

# PSR-ESS-M0-H210-2000-A - Emergency stop switch



1221737

<https://www.phoenixcontact.com/us/products/1221737>

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Emergency stop switch, in conjunction with appropriate evaluation unit suitable for use up to PL e (EN ISO 13849-1), SIL 3 (EN IEC 62061), panel installation, 5-pos. M12 connection

## 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 preconfigured emergency stop switch is ready for immediate use and is connected via a 5-position M12 male connector. Thanks to its compact design, the emergency stop switch can be used flexibly and can be installed in a wide range of control points.

## Your advantages

- Flexible use, thanks to compact design
- Protection on both sides against environmental influences with IP65/IP67 degree of protection
- Reduction of wiring errors with uniform 5-position M12 connection
- Rapid on-site diagnostics with color-coded switching position indicator
- In applications with appropriate evaluation device suitable for use up to PL e (EN ISO 13849-1), SIL 3 (EN IEC 62061)

## Commercial data

Item number	1221737
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN04
Product key	DNA621
GTIN	4063151311025
Weight per piece (including packing)	48.3 g
Weight per piece (excluding packing)	19 g
Customs tariff number	85365080
Country of origin	DE

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## Technical data

### Product properties

Product type	Emergency stop switch
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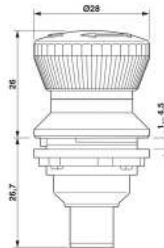
### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Rated surge voltage	0.5 kV
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### Dimensions

Dimensional drawing	
Depth	52.7 mm
Diameter	28 mm

### Material specifications

Flammability rating according to UL 94	V2 (Actuator)
	V0 (Contact element)
	V0 (M12 plug)
	min. HB (Molding compound)
Housing material	PA

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP65/IP67 (with professional installation in the appropriate installation space)
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °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

### Mounting

Mounting type	Panel mount
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Assembly instructions	Mounting nut torque: 1.0 Nm ... 1.7 Nm
Mounting position	any
Connection method	M12 connector (A-coded)

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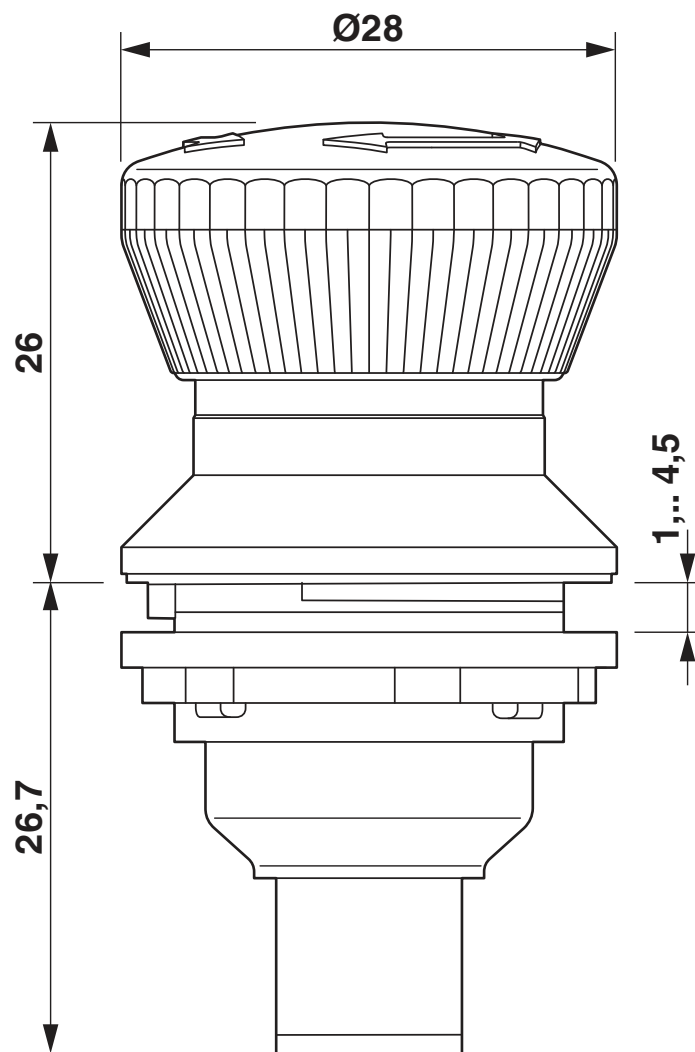
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## Drawings

Dimensional drawing



Dimensions (in mm)

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1221737>



**cUL Recognized**

Approval ID: FILE E 519465



**UL Recognized**

Approval ID: FILE E 519465



**EAC**

Approval ID: RU\*DE\*B\*00073/21

**Functional Safety**

Approval ID: B 029429 0031

**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-11.0	27371216
ECLASS-13.0	27371216
ECLASS-12.0	27371216

### ETIM

ETIM 8.0	EC000225
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### UNSPSC

UNSPSC 21.0	39122200
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