

# Emergency stop switch - PSR-ESS-M0-H210-2000-A - 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 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 62061)



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 311025
GTIN	4063151311025

## Technical data

### Dimensions

Diameter	28 mm
Depth	52.7 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Maximum altitude	max. 2000 m (Above sea level)

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## Technical data

### General

Type of actuation	Push
Type of release	Twist release left/right
Net weight	47.2 g
Mounting position	any
Mounting type	Panel mount
Assembly instructions	Mounting nut torque: 1.0 Nm ... 1.7 Nm
Degree of protection	IP65/IP67 (with professional installation in the appropriate installation space)
Housing material	PA
Flammability rating according to UL 94	V2 (Actuator) V0 (Contact element) V0 (M12 plug) min. HB (Molding compound)
Housing color	yellow/red
Mechanical service life	50,000 switching cycles
Electrical service life	50,000 switching cycles

### Connection data

Connection method	M12 connector (A-coded)
Number of positions	5

### Contact data

Designation	Contact data
Contact type	2 force-guided N/C contacts
Contact material	AgNi
Positive opening action	in accordance with EN 60947-5-1, Annex K
Bouncing time	< 10 ms
Voltage	max. (see load limit current)
Current	max. (see load limit current)

### Load limit current

Designation	Load limit current
Standard	IEC/EN 60947-5-1
Utilization category	AC15
Rated insulation voltage $U_i$	250 V
Rated operating voltage $U_e$	35 V
Rated operating current $I_e$	2 A
Switching capacity	10x $I_e$
Utilization category	DC13
Rated insulation voltage $U_i$	250 V
Rated operating voltage $U_e$	35 V
Rated operating current $I_e$	2 A

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## Technical data

### Load limit current

Switching capacity	1.1x I <sub>e</sub>
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### Standards and Regulations

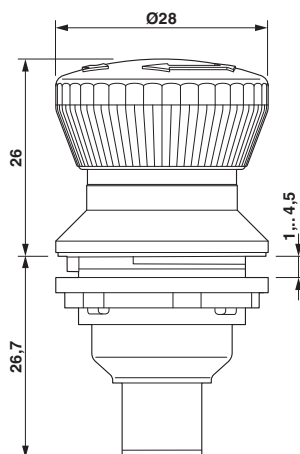
Rated surge voltage	0.5 kV
Pollution degree	2
Overvoltage category	II
Shock	15g / 11 ms, in accordance with IEC 60068-2-27
Vibration (operation)	10 Hz ... 500 Hz, 0.35 mm amplitude, 5g, in accordance with IEC 60068-2-6

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Drawings

Dimensional drawing



## Classifications

### eCl@ss

eCl@ss 11.0	27371216
eCl@ss 9.0	27371390

### ETIM

ETIM 7.0	EC000225
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## Approvals

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## Approvals

Approvals





UL Recognized / cUL Recognized / EAC / cULus Recognized

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Ex Approvals

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## Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 519465
cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 519465
EAC			RU*DE*B*00073/21
cULus Recognized			

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