

Emergency stop switch - PSR-ESS-M2-H110-2000-A - 1221735

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Emergency stop switch in IP65 housing, in conjunction with appropriate evaluation unit suitable for use up to PL e (EN ISO 13849-1), SIL 3 (EN 62061), surface 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 the robust design, the emergency stop switches can be used flexibly and can be integrated directly into the machine.

Your advantages

- ✓ IP65 degree of protection allows mounting directly in the machine
- ✓ 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 311100
GTIN	4063151311100

Technical data

Dimensions

Width	72 mm
Height	72 mm
Depth	110 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °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	223.3 g
Mounting position	any
Mounting type	Surface installation
Assembly instructions	Mounting hole: Ø 4.2 mm
Degree of protection	IP65
Housing material	PA
Flammability rating according to UL 94	V2 (Actuator)
	V0 (Contact element)
	V2 (Housing)
	UR (M12 plug UR-approved)
Housing color	yellow/red/black
Mechanical service life	50,000 switching cycles
Electrical service life	10 ⁶ 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	< 9 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	600 V
Rated operating voltage U _e	60 V
Rated operating current I _e	3 A
Switching capacity	10x I _e
Utilization category	DC13
Rated insulation voltage U _i	600 V
Rated operating voltage U _e	60 V
	24 V
Rated operating current I _e	1 A

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Technical data

Load limit current

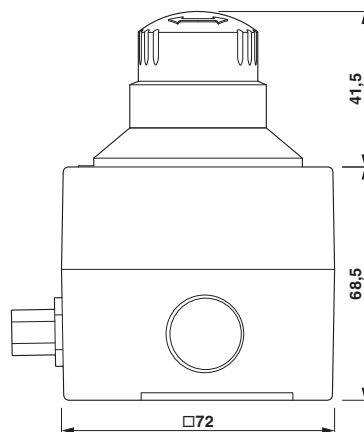
	2 A
Switching capacity	1.1x I _e

Standards and Regulations

Rated surge voltage	1.5 kV
Pollution degree	3 (applies to the installed contact module)
Overvoltage category	III (applies to the installed contact module)
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

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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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>