

1221749

<https://www.phoenixcontact.com/us/products/1221749>

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Contact module for modular emergency stop switches with force-guided N/C contact for safety-related shutdown, N/O contact for assembly monitoring, in conjunction with appropriate evaluation unit suitable for use up to PL e (EN ISO 13849-1), SIL 3 (EN IEC 62061)

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
- Direct opening action in accordance with IEC 60947-5-1
- In applications with appropriate evaluation device suitable for use up to PL e (EN ISO 13849-1), SIL 3 (EN IEC 62061)
- Protection against installation errors with self-monitoring via the contact module

Commercial data

Item number	1221749
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN04
Product key	DNA62Z
GTIN	4063151309961
Weight per piece (including packing)	26.3 g
Weight per piece (excluding packing)	13.9 g
Customs tariff number	85365080
Country of origin	DE

PSR-ESS-ACC-CB1-SM-SC - Contact module



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Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Contact module
Product family	Modular emergency stop switches
Application	Safe shutdown + assembly monitoring

Data management status

Article revision	01
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Insulation characteristics

Protection class	II
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Insulation characteristics

Overvoltage category	III
Pollution degree	3

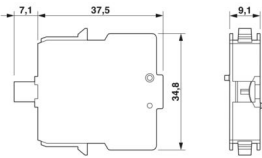
Electrical properties

Rated surge voltage	2.5 kV
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Connection data

Connection method	Screw connection
Tightening torque	0.8 ... 1 Nm

Dimensions

Dimensional drawing	
Width	9.1 mm
Height	34.8 mm
Depth	44.6 mm

Material specifications

Color (Upper housing part)	red (RAL 3001)
Color (Lower housing part)	brown (RAL 8028)
Flammability rating according to UL 94	V0
Housing material	PA

Environmental and real-life conditions

PSR-ESS-ACC-CB1-SM-SC - Contact module



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Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-30 °C ... 70 °C (in conjunction with lighting module max. 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

Mounting

Mounting type	Plug-in mounting
Mounting position	any

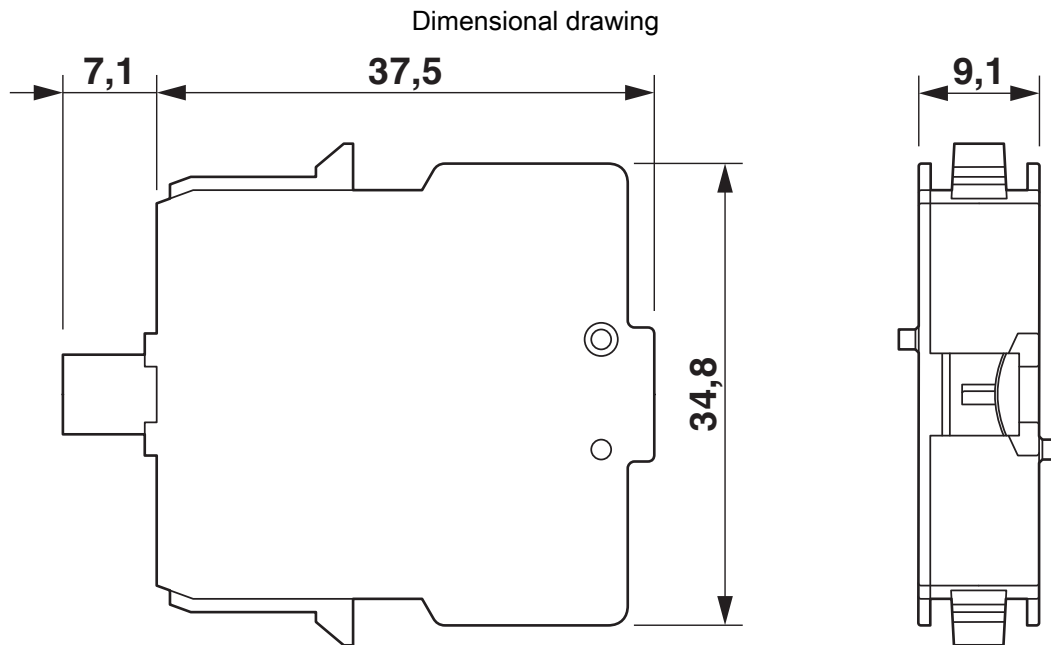
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Drawings



Dimensions (in mm)

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1221749>



UL Listed
Approval ID: E140324



cUL Listed
Approval ID: E140324



Functional Safety
Approval ID: B 029429 0031



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

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27371302
ECLASS-12.0	27371302
ECLASS-13.0	27371302

ETIM

ETIM 9.0	EC000041
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UNSPSC

UNSPSC 21.0	39122200
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Environmental product compliance

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%

PSR-ESS-ACC-CB1-SM-SC - Contact module



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Accessories

PSR-ESS-ACC-CB1-C3 - Module holder

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Module holder for modular emergency stop switches, connects the contact block and actuator with bayonet lock, suitable for 3 elements

PSR-ESS-ACC-CB1-C5 - Module holder

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Module holder for modular emergency stop switches, connects the contact block and actuator with bayonet lock, suitable for 5 elements

PSR-ESS-ACC-CB1-SM-SC - Contact module



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PSR-ESS-M0-H100 - Actuator

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

PSR-ESS-M0-H110 - Actuator

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

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PSR-ESS-M0-H120 - Actuator

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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

PSR-ESS-ACC-CB1-NO-SC - Contact module

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Contact module for modular emergency stop switches with N/O contact for feedback function through actuation of the emergency stop switch

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PSR-ESS-ACC-CB1-NC-SC - Contact module

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Contact module for modular emergency stop switches with force-guided N/C contact for safety-related shutdown, in conjunction with appropriate evaluation unit suitable for use up to PL e (EN ISO 13849-1), SIL 3 (EN IEC 62061)

PSR-ESS-ACC-CB1-I-SC - Contact module

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Lighting module for modular emergency stop switches, suitable for PSR-ESS-M0-H120 actuator

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com