

1221751

<https://www.phoenixcontact.com/us/products/1221751>

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	Feedback function
Recommended backup fuse	16 A (SCPD Car. C)

Insulation characteristics

Overvoltage category	III
Protection class	II
Pollution degree	3

Electrical properties

Short-circuit current	1000 A (conditional short-circuit current I_q)
Rated surge voltage	4 kV

Contact information

Contact switching type	1 N/O contact
Contact material	AgNi
Actuating travel	6 mm
Voltage	min. 5 V
	max. (see load limit current)
Current	min. 1 mA
	max. (see load limit current)
Electrical service life	10^6 switching cycles
Mechanical service life	10^6 cycles
Contact resistance	< 20 mΩ
Bouncing time	< 10 ms

Load limit current in accordance with IEC/EN 60947-5-1

Standard	IEC/EN 60947-5-1
Utilization category	AC15 A600
Rated insulation voltage U_i	600 V
Rated operating voltage U_e	240 V
	440 V
Rated operating current I_e (AC-15, 230 V)	3 A
Rated operating current I_e	1.6 A
Switching capacity	$10 \times I_e$
Thermal continuous current I_{th}	16 A

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Utilization category	DC13 Q600
Rated insulation voltage U_i	600 V
Rated operating voltage U_e	440 V
	250 V
	125 V
	60 V
	24 V
Rated operating current I_e	0.12 A
	0.2 A
	0.4 A
	1 A
	2 A
Switching capacity	$1.1 \times I_e$
Utilization category	DC13
Rated operating voltage U_e	12 V
Rated operating current I_e	5 A
Switching capacity	$1.1 \times I_e$

Connection data

Conductor connection

Connection method	Screw connection
Note regarding the connection technology	2 conductors possible per terminal point, with one conductor on each side of the screw
Conductor cross-section rigid	0.5 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.5 mm ² ... 2.5 mm ²
Flexible conductor cross-section with ferrule	0.25 mm ² ... 2.5 mm ²
Conductor cross-section AWG	20 ... 14 (rigid and flexible conductors without ferrules)
	23 ... 14 (flexible conductors with ferrules)
Stripping length	8 mm ... 9 mm
Tightening torque	0.8 Nm ... 1 Nm

Dimensions

Dimensional drawing	
Width	9.1 mm
Height	34.8 mm
Depth	44.6 mm

Material specifications

Color (Housing)	green (RAL 6021)
Flammability rating according to UL 94	V0

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Housing material	PA
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-30 °C ... 85 °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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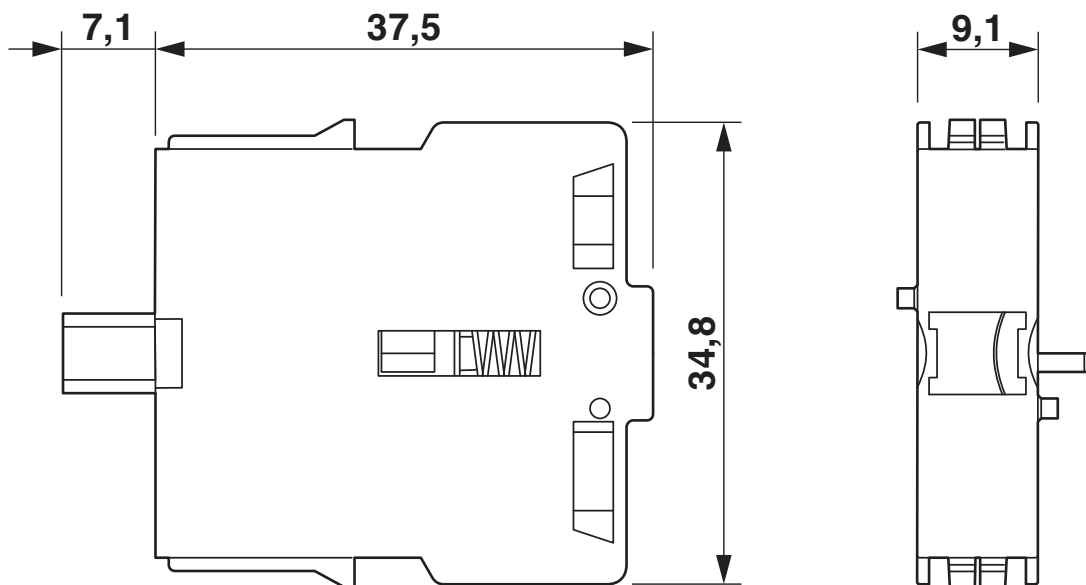


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Drawings

Dimensional drawing



Dimensions (in mm)

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1221751>



UL Listed

Approval ID: E140324



cUL Listed

Approval ID: E140324



Functional Safety

Approval ID: B 029429 0031 Rev01



EAC

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

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Classifications

ECLASS

ECLASS-13.0	27371302
ECLASS-15.0	27371302

ETIM

ETIM 10.0	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
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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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