

SPP-R-3 - Remote signaling module



1466700
<https://www.phoenixcontact.com/gb/products/1466700>

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Optional remote signaling module for 3-pos. surge arresters and base elements from the VALVETRAB SPP product family.

Your advantages

- Easy and safe installation with forward-thinking handling and safety features
- Reliable system protection with maximum performance and endurance
- Can be used in a wide range of applications due to the optimized design and broad portfolio
- Simple planning due to comprehensive digital data and selectors

Commercial data

Item number	1466700
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL138Z
Product key	CL138Z
GTIN	4063151861063
Weight per piece (including packing)	20.5 g
Weight per piece (excluding packing)	14 g
Customs tariff number	85363030
Country of origin	DE

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Technical data

Product properties

Product type	Remote signaling set
Product family	VAL-SPP
Type	Installation module
Number of positions	3

Insulation characteristics

Overvoltage category	III
Pollution degree	3

Electrical properties

Nominal frequency f_N	50 Hz (60 Hz)
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Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	Changeover contact
Max. required back-up fuse	1 A (gG)
AC operating voltage	5 V AC ... 250 V AC (≤ 2000 m (amsl) at pollution degree 2) 5 V AC ... 150 V AC ($\leq \text{Ⓢ} \text{Ⓜ} \text{Ⓜ} \text{Ⓜ}$ m (amsl))
AC operating current	5 mA AC ... 1 A AC
DC operating voltage	30 V DC ($\leq \text{Ⓢ} \text{Ⓜ} \text{Ⓜ} \text{Ⓜ}$ m (amsl))
DC operating current	1 A DC
DC operating voltage	125 V DC ($\leq \text{Ⓢ} \text{Ⓜ} \text{Ⓜ} \text{Ⓜ}$ m (amsl))
DC operating current	200 mA DC
Insulation type	The product has double/reinforced insulation between the main and auxiliary circuit.

Connection data

Remote fault indicator contact

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section flexible	0.25 mm ² ... 1.5 mm ²
Conductor cross section rigid	0.25 mm ² ... 1.5 mm ²
Conductor cross section AWG	24 ... 16
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 1.5 mm ² (Stripping length 8 mm)
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 0.75 mm ² (Stripping length 8 mm)

Dimensions

Dimensional drawing	
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Width	53.4 mm
Height	16.9 mm
Depth	34.9 mm
Horizontal pitch	3 Div.

Material specifications

Color	light gray (RAL 7035)
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PBT
Material group	I
Housing material	PBT

Protective circuit

Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	250 V AC
Short-circuit current rating I_{SCCR}	100 A

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20C
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-5 °C ... 50 °C
Altitude	≤ 5000 m (operating voltage remote contact ≤ 150 V) ≤ 2000 m (operating voltage remote contact ≤ 250 V)
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 ... 500 Hz / 2.5 h / X, Y, Z)

Standards and regulations

Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012 + A11:2018
Standards/specifications	EN 60947-5-1
Note	2018

Mounting

Mounting type	on base element
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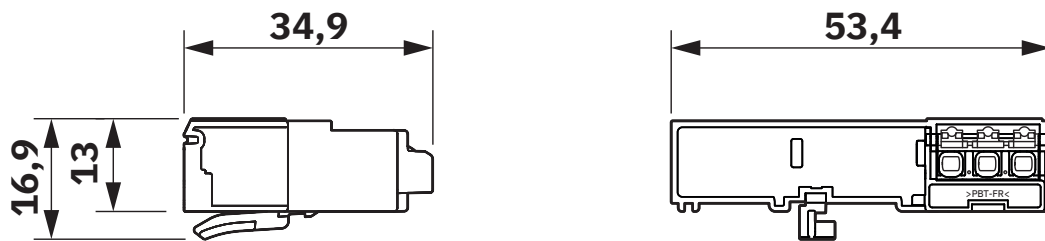
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Drawings

Dimensional drawing



Circuit diagram



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Approvals

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IECEE CB Scheme

Approval ID: NL-109184

CCA

Approval ID: NTR NL-8052



KEMA-KEUR

Approval ID: 71-138153 REV.2

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Classifications

ECLASS

ECLASS-13.0	27171292
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ETIM

ETIM 9.0	EC002496
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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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