

# SPP-R-1 - Remote signaling module

1466698

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Optional remote signaling module for 1-pos. surge protective devices 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	1466698
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL138Z
Product key	CL138Z
GTIN	4063151861483
Weight per piece (including packing)	10.98 g
Weight per piece (excluding packing)	6 g
Customs tariff number	85363030
Country of origin	CN

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## Technical data

### Product properties

Product type	Remote signaling set
Product family	VAL-SPP
Type	Installation module

### Insulation characteristics

Overvoltage category	II
Pollution degree	3

### Electrical properties

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

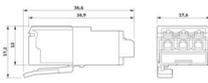
Connection name	Remote fault indicator contact
Switching function	Changeover contact
Max. required back-up fuse	1 A (gG)
AC operating voltage	5 V AC ... 250 V AC ( $\leq 2000$ m (amsl) at pollution degree 2) 5 V AC ... 150 V AC ( $\leq 5000$ m (amsl))
AC operating current	5 mA AC ... 1 A AC
DC operating voltage	30 V DC ( $\leq 5000$ m (amsl))
DC operating current	1 A DC
DC operating voltage	125 V DC ( $\leq 5000$ 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 <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section rigid	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 16
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Stripping length 8 mm)
Conductor cross-section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Stripping length 8 mm)

### Dimensions

Dimensional drawing	
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Width	17.6 mm
Height	17.2 mm
Depth	36.6 mm
Horizontal pitch	1 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 operating 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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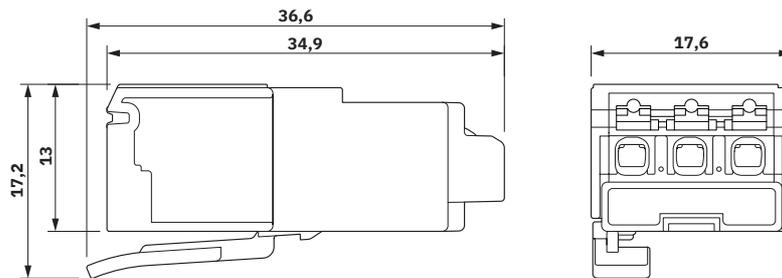
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## Drawings

Dimensional drawing

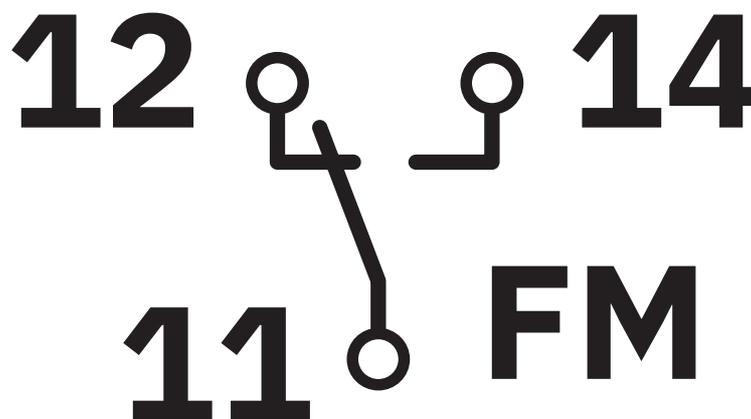


Schematic diagram

Pollution degree	2	3
Altitude	>2000 m ... ≤5000 m	≤5000 m
Rated voltage	5 V ... 150 V AC 5 V ... 30 V DC (5 mA ... 1 A DC) 30 V DC ... 125 V DC (5 mA ... 200 mA DC)	5 V ... 150 V AC 5 V ... 30 V DC (5 mA ... 1 A DC) 30 V DC ... 125 V DC (5 mA ... 200 mA DC)
Insulation type between main and auxiliary circuit	Double / Reinforced insulation	

Technical data for remote fault indicator contact

Circuit diagram



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## Approvals

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**IECEE CB Scheme**

Approval ID: NL-109184

**CCA**

Approval ID: NTR NL-8052

**DNV**

Approval ID: TAE0000501

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## Classifications

### ECLASS

ECLASS-13.0	27171292
ECLASS-15.0	27171292

### 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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