

2271109

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Input solid-state relay, with protective circuit in input and output circuits, input: 220 V DC, output: 8 - 48 V DC/100 mA

### Commercial data

Item number	2271109
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DK61F1
GTIN	4017918054144
Weight per piece (including packing)	19.53 g
Weight per piece (excluding packing)	19.53 g
Country of origin	DE



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### Technical data

### Product properties

Product type	Single solid-state relay
Operating mode	100% operating factor
Data management status	
Date of last data management	19.03.2025

### Electrical properties

Test voltage (Input/output)	2.5 kV (50 Hz, 1 min., input/output)

### Input data

Nominal input voltage U <sub>N</sub>	220 V DC
Input voltage range in reference to U <sub>N</sub>	0.9 1.1
Input voltage range	198 V DC 242 V DC
Switching threshold "0" signal in reference to U <sub>N</sub>	≤ 0.4
Switching threshold "1" signal in reference to U <sub>N</sub>	≥ 0.8
Typical input current at U <sub>N</sub>	2.6 mA
Protective circuit	Reverse polarity protection; Polarity protection diode
Transmission frequency	300 Hz

### Output data

Design of digital output	electronic
Output voltage range	8 V DC 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	1 V
Output circuit	2-conductor, floating
Protective circuit	Reverse polarity protection; Polarity protection diode

#### **Dimensions**

Dimensional drawing	29 13
Width	13 mm
Height	29 mm
Depth	25 mm

#### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-20 °C 50 °C
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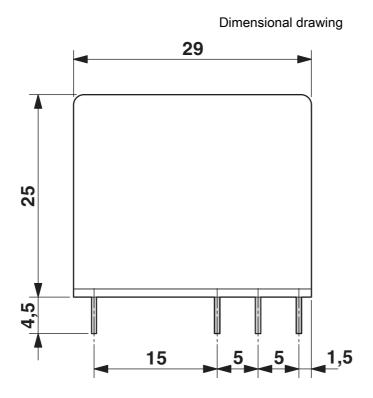
Ambient temperature (storage/transport)	-20 °C 70 °C
Standards and regulations	
Standards/regulations	DIN VDE 0110
Mounting	
Assembly note	can be aligned with spacing ≥ 2 mm
Mounting position	any

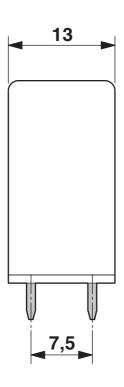


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### Drawings



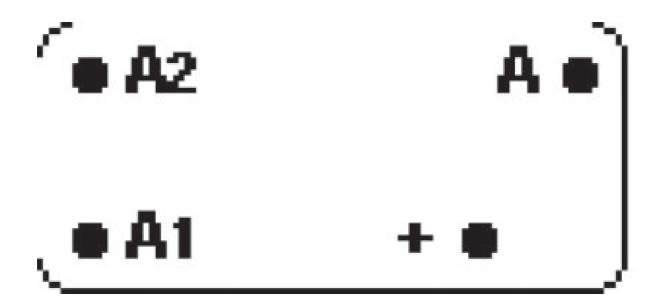




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#### Schematic diagram

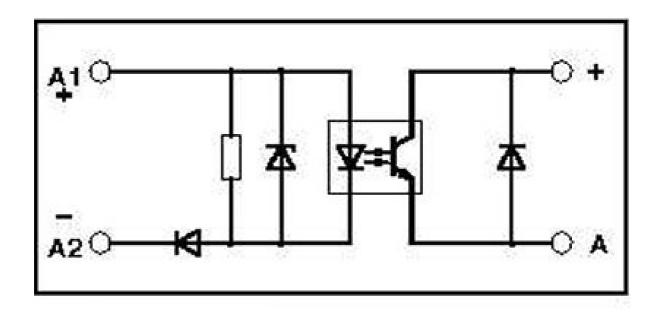




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### Circuit diagram

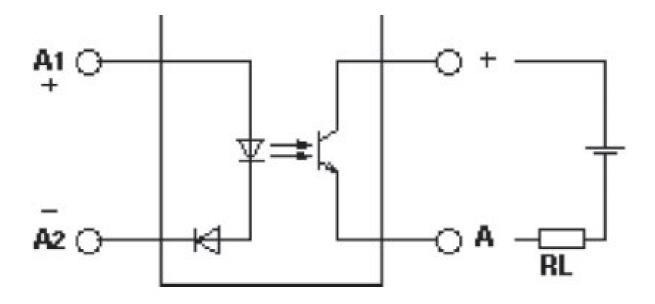




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### Circuit diagram





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### Environmental product compliance

#### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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