

# ST-REL2-KG220DC/2 - Relay connectors



2826499

<https://www.phoenixcontact.com/us/products/2826499>

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Relay connector, fitted with miniature switching relay, contacts (AgNi): Medium to large loads, 1 N/C contact, 220 V DC input voltage, with light indicator, can be plugged into basic terminal blocks

The figure shows version ST-REL2-KG 24/2

## Commercial data

Item number	2826499
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	DK6122
GTIN	4017918077969
Weight per piece (including packing)	35.33 g
Weight per piece (excluding packing)	33.64 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Relay Module
Operating mode	100% operating factor
Mechanical service life	approx. $2 \times 10^7$ cycles

### Data management status

Date of last data management	12.09.2025
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### Electrical properties

Maximum power dissipation for nominal condition	0.99 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

### Input data

#### Coil side

Nominal input voltage $U_N$	220 V DC
Input voltage range	176 V DC ... 233.2 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.06
Drive and function	monostable
Typical input current at $U_N$	4.5 mA
Typical response time	6 ms (with DC)
Typical release time	11 ms (with DC)
Protective circuit	Damping diode, polarity protection; Damping diode, polarity protection diode, varistor
Operating voltage display	yes

### Output data

#### Switching

Contact switching type	Single contact, 1 N/C contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	95 W (at 24 V DC) 50 W (at 48 V DC) 45 W (at 60 V DC) 45 W (at 110 V DC) 75 W (at 220 V DC) 1500 VA (for 250 V AC)

### Dimensions

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Width	14.6 mm
Height	33 mm
Depth	66.5 mm

## Material specifications

Color	green (RAL 6021)
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
	DIN VDE 0160 (in relevant parts)

## Mounting

Mounting type	Plug-in mounting
Assembly note	After every 5 modules, spacing of 10 mm

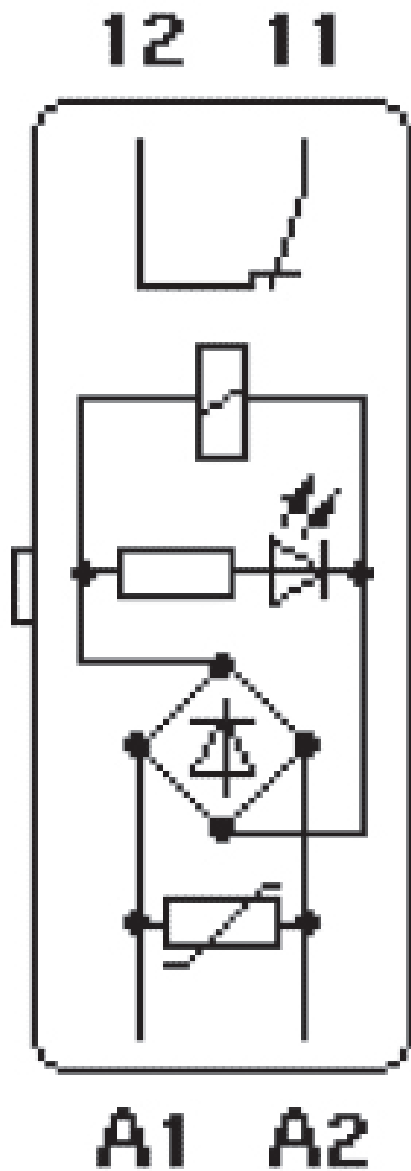
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## Drawings

Circuit diagram



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## Classifications

### UNSPSC

UNSPSC 21.0	39122334
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

### 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.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)

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