

# ST-REL2-KG220DC/1 - Relay connectors



2826512

<https://www.phoenixcontact.com/us/products/2826512>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

## Commercial data

Item number	2826512
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK6122
Catalog page	Page 87 (IF-2005)
GTIN	4017918077983
Weight per piece (including packing)	34.74 g
Weight per piece (excluding packing)	32.5 g
Customs tariff number	85364900
Country of origin	DE

# ST-REL2-KG220DC/1 - Relay connectors



2826512

<https://www.phoenixcontact.com/us/products/2826512>

## Technical data

### Product properties

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

### 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 ... 242 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
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	1 N/O 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

Width	14.6 mm
Height	33 mm
Depth	66.5 mm

# ST-REL2-KG220DC/1 - Relay connectors



2826512

<https://www.phoenixcontact.com/us/products/2826512>

## Material specifications

Color	green (RAL 6021)
-------	------------------

## 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

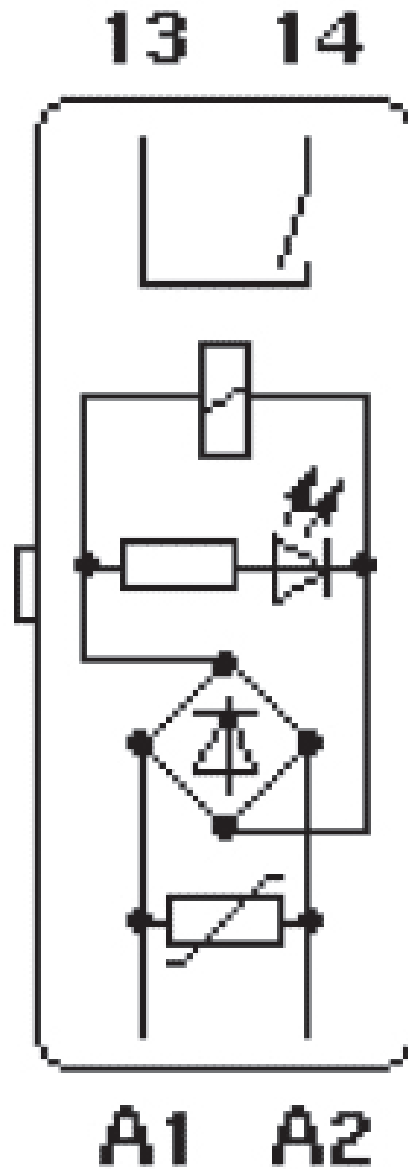
Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/VDE 0160 (in relevant parts)
	EN 60730/DIN VDE 0631
	DIN VDE 0160 (in relevant parts)

## Mounting

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

## Drawings

### Circuit diagram



# ST-REL2-KG220DC/1 - Relay connectors



2826512

<https://www.phoenixcontact.com/us/products/2826512>

## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2826512>



**EAC**

Approval ID: TR\_TS\_D\_00573\_c



**EAC**

Approval ID: RU\*C-DE.\*08.B.00010

# ST-REL2-KG220DC/1 - Relay connectors



2826512

<https://www.phoenixcontact.com/us/products/2826512>

## Classifications

### ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

### ETIM

ETIM 8.0	EC001437
----------	----------

### UNSPSC

UNSPSC 21.0	39122300
-------------	----------

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)
SCIP	8777e3ec-94f4-48cf-a828-205682894eb4

# ST-REL2-KG220DC/1 - Relay connectors

2826512

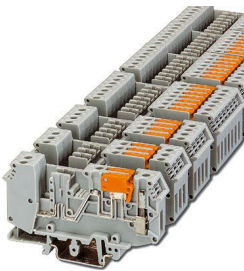
<https://www.phoenixcontact.com/us/products/2826512>

## Mandatory accessories

### URELG 2-PMTK - Basic terminal block

2820835

<https://www.phoenixcontact.com/us/products/2820835>



Basic terminal blocks with test pick-off on both sides and knife disconnection for NS 32 and NS 35/7,5 DIN rail, with end cover, for ST-REL..., ST-OV..., and ST-OE... plugs, 2-pos.

---

### UDK-RELG 2 - Basic terminal block

2777030

<https://www.phoenixcontact.com/us/products/2777030>



Basic terminal blocks with test pick-off on both sides and double connections with the same potential for NS 32 and NS 35/7,5 DIN rail, with end cover, for ST-REL..., ST-OV..., and ST-OE... plugs, 2-pos.



# ST-REL2-KG220DC/1 - Relay connectors



2826512

<https://www.phoenixcontact.com/us/products/2826512>

## URELG 2 - Basic terminal block

2820262

<https://www.phoenixcontact.com/us/products/2820262>



Basic termination blocks with screw connection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 2-pos.

---

## ZFK-RELG 2 - Basic terminal block

2829904

<https://www.phoenixcontact.com/us/products/2829904>



Basic termination blocks with spring-cage connection for NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 2-pos.

---

## Accessories

# ST-REL2-KG220DC/1 - Relay connectors



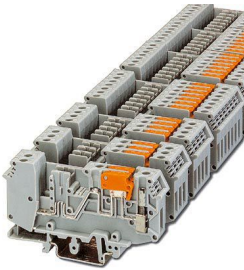
2826512

<https://www.phoenixcontact.com/us/products/2826512>

## URELG 2-PMTK - Basic terminal block

2820835

<https://www.phoenixcontact.com/us/products/2820835>



Basic terminal blocks with test pick-off on both sides and knife disconnection for NS 32 and NS 35/7,5 DIN rail, with end cover, for ST-REL..., ST-OV..., and ST-OE... plugs, 2-pos.

---

## UDK-RELG 2 - Basic terminal block

2777030

<https://www.phoenixcontact.com/us/products/2777030>



Basic terminal blocks with test pick-off on both sides and double connections with the same potential for NS 32 and NS 35/7,5 DIN rail, with end cover, for ST-REL..., ST-OV..., and ST-OE... plugs, 2-pos.

# ST-REL2-KG220DC/1 - Relay connectors



2826512

<https://www.phoenixcontact.com/us/products/2826512>

## URELG 2 - Basic terminal block

2820262

<https://www.phoenixcontact.com/us/products/2820262>



Basic termination blocks with screw connection for NS 32 and NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 2-pos.

---

## ZFK-RELG 2 - Basic terminal block

2829904

<https://www.phoenixcontact.com/us/products/2829904>



Basic termination blocks with spring-cage connection for NS 35/7.5 DIN rail, with end cover, for ST-REL..., ST-OV... and ST-OE... plugs, 2-pos.

---

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)