

ST-REL3-KG 48/21 - Relay connectors



2821232

<https://www.phoenixcontact.com/us/products/2821232>

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Relay connector, equipped with miniature switching relay, contacts (AgNi): medium to large loads, 1 changeover contact, input voltage 48 V AC/DC, with LED display, pluggable into basic terminal blocks

Commercial data

Item number	2821232
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6122
Catalog page	Page 88 (IF-2005)
GTIN	4017918077075
Weight per piece (including packing)	38.48 g
Weight per piece (excluding packing)	35.8 g
Customs tariff number	85364190
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. 2×10^7 cycles

Electrical properties

Maximum power dissipation for nominal condition	0.41 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	48 V AC/DC
Input voltage range	43.2 V AC/DC ... 52.8 V AC/DC
Input voltage range in reference to U_N	0.9 ... 1.1
Drive and function	monostable
Typical input current at U_N	8.5 mA
Typical response time	10 ms
Typical release time	10 ms (with DC)
Protective circuit	Bridge rectifier, varistor
Operating voltage display	yes

Output data

Switching

Contact switching type	Single contact, 1 changeover 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)
	35 W (at 110 V DC)
	55 W (at 220 V DC)
	1500 VA (for 250 V AC)

Dimensions

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

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Material specifications

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

Ambient conditions	
Ambient temperature (operation)	-20 °C ... 50 °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

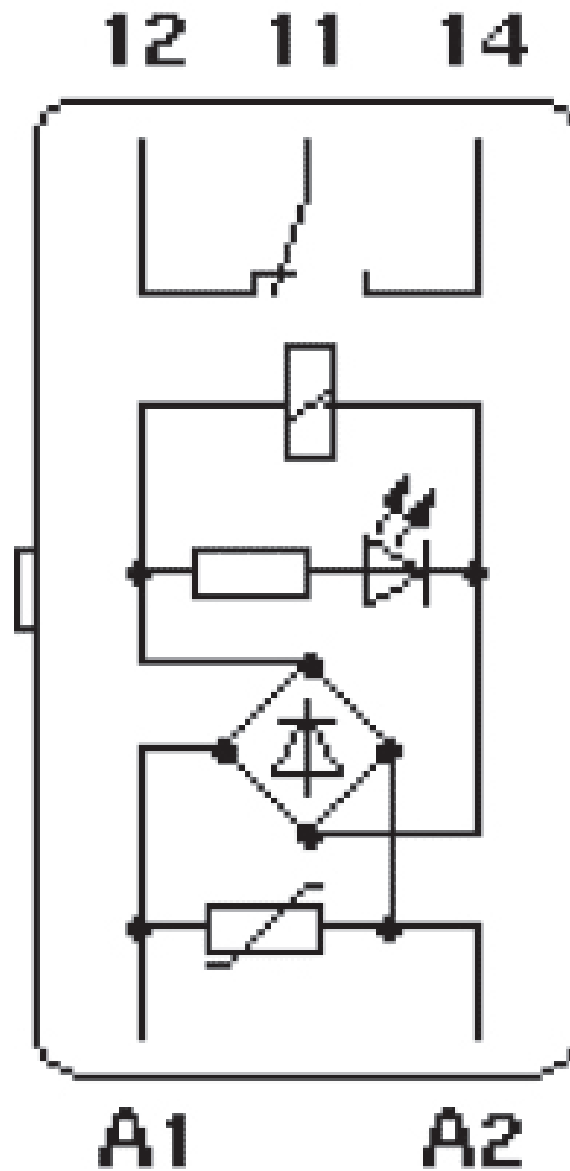
Mounting type	Plug-in mounting
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Drawings

Circuit diagram



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Classifications

ECLASS

ECLASS-11.0	27371601
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UNSPSC

UNSPSC 21.0	39122334
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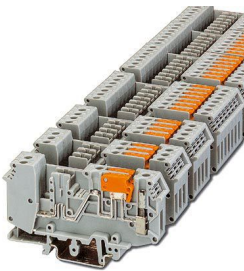
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Accessories

URELG 3-PMTK - Basic terminal block

2820709

<https://www.phoenixcontact.com/us/products/2820709>



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, 3-pos.

UDK-RELG 3 - Basic terminal block

2777043

<https://www.phoenixcontact.com/us/products/2777043>



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, 3-pos.

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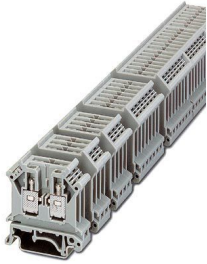
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URELG 3 - Basic terminal block

2820136

<https://www.phoenixcontact.com/us/products/2820136>



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, 3-pos.

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