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ST-REL3-KG120/21 - Relay connectors

2821164

https://www.phoenixcontact.com/in/products/2821164

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Relay connector, equipped with miniature switching relay, contacts (AgNi): medium to large loads, 1 changeover contact, input voltage 120 V AC/DC, with LED display, pluggable into basic terminal blocks

Commercial data

Item number	2821164
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	DK61B2
Catalog page	Page 88 (IF-2005)
GTIN	4017918077051
Weight per piece (including packing)	40.82 g
Weight per piece (excluding packing)	38.62 g
Customs tariff number	85364900
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. 2x 10^7 cycles

Data management status

Date of last data management	02.05.2024

Electrical properties

Maximum power dissipation for nominal condition	0.6 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	120 V AC/DC
Input voltage range	96 V AC/DC ... 127.2 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U_N	5 mA
Typical response time	7 ms
Typical release time	11 ms (with DC)
Protective circuit	Bridge rectifier, varistor
Operating voltage display	yes

Output data

Switching

Contact switching type	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

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Height	33 mm
Depth	66.5 mm

Material specifications

Color	green (RAL 6021)

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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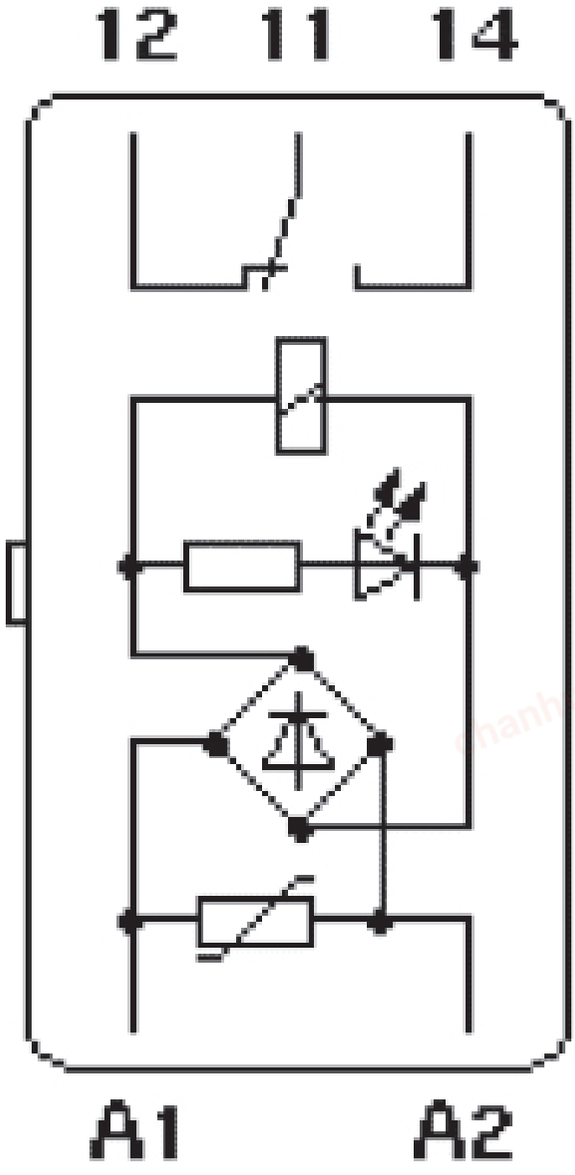
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/2821164

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

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC001437

UNSPSC

UNSPSC 21.0	39122300

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

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	1ae653e9-9d72-4c70-ac40-fb202c2f0d6a

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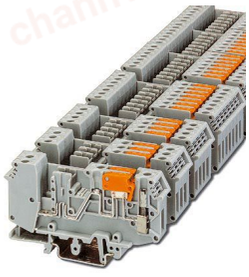
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Accessories

URELG 3-PMTK - Basic terminal block

2820709

https://www.phoenixcontact.com/in/products/2820709

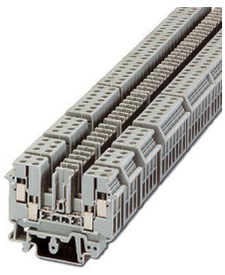


Basic terminal blocks with test pick-off on both sides and knife disconnection for NS 32 and NS 35/7,5 DIN rail, with end cover, for ST-REL..., ST-OV..., and ST-OE... plugs, 3-pos.

UDK-RELG 3 - Basic terminal block

2777043

https://www.phoenixcontact.com/in/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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URELG 3 - Basic terminal block

2820136

https://www.phoenixcontact.com/in/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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