

ST-REL3-HG 24/21 - Relay connectors



2821012

<https://www.phoenixcontact.com/us/products/2821012>

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Relay connector, equipped with Hengstler miniature round relay, contacts (AgSnO₂+Au): small to large loads, 1 changeover contact, input voltage 24 V DC, with LED display, pluggable into basic terminal blocks

Commercial data

Item number	2821012
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK61B2
Catalog page	Page 81 (IF-2002)
GTIN	4017918076931
Weight per piece (including packing)	60.5 g
Weight per piece (excluding packing)	58.16 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. 10^7 cycles

Data management status

Date of last data management	02.05.2024
Article revision	06

Electrical properties

Maximum power dissipation for nominal condition	0.5 W
Test voltage (Winding/contact)	2 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range	19.2 V DC ... 26.4 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U_N	21 mA
Typical response time	15 ms
Typical release time	25 ms
Protective circuit	Damping diode, polarity protection; Damping diode, polarity protection diode
Operating voltage display	yes

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgSnO, hard gold-plated
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	6 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	180 W (at 48 V DC)
	105 W (at 60 V DC)
	60 W (at 110 V DC)
	90 W (at 220 V DC)
	1500 VA (for 250 V AC)

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Connection data

Connection method	Plug-in connection
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Dimensions

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

Material specifications

Color	transparent
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	DIN VDE 0160 (in relevant parts)

Mounting

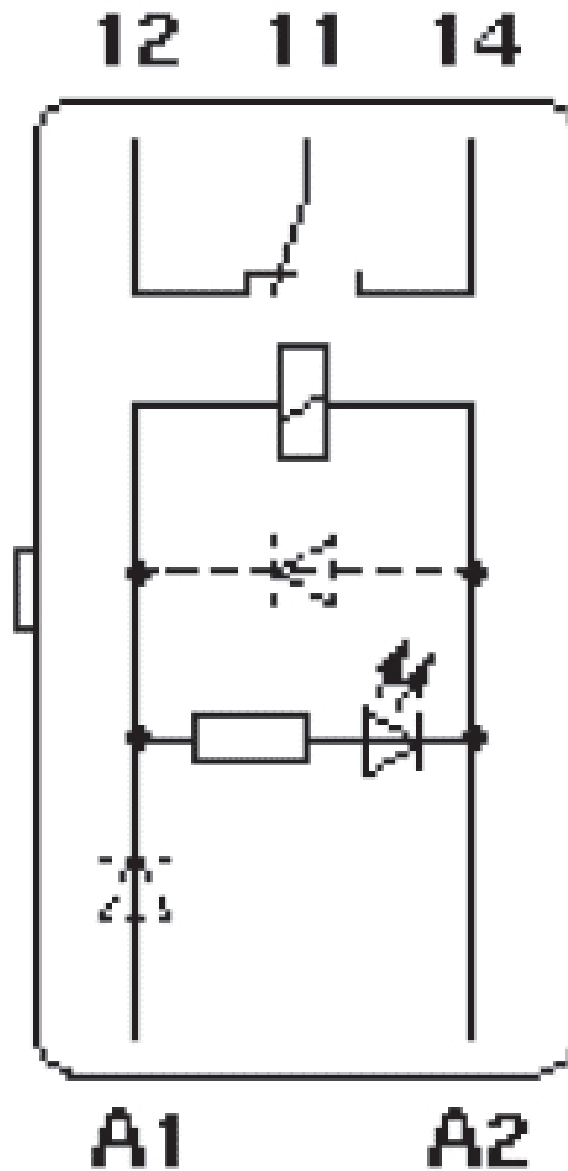
Mounting type	Plug-in mounting
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Drawings

Circuit diagram



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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2821012>



EAC

Approval ID: TR_TS_D_00573_c



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 8.0	EC001437
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UNSPSC

UNSPSC 21.0	39122300
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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.)	Lead(CAS: 7439-92-1)
SCIP	93ef174b-36d5-49cb-b45e-b435d7e250d8

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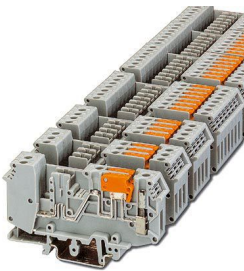
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Accessories

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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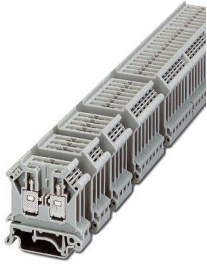
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URELG 3 - Basic terminal block

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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