

ST-REL4-HW230/21-21 - Relay connectors



2823476
<https://www.phoenixcontact.com/us/products/2823476>

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Relay connector, equipped with Hengstler miniature round relay, contacts (AgCdO+Au): small to large loads, 2 changeover contacts, input voltage 230 V AC, with LED display, pluggable into basic terminal blocks

Commercial data

Item number	2823476
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6126
Catalog page	Page 84 (IF-2002)
GTIN	4017918077433
Weight per piece (including packing)	71.94 g
Weight per piece (excluding packing)	67.13 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. 10^7 cycles

Electrical properties

Test voltage (Winding/contact)	2 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2.5 kV AC (50 Hz, 1 min., changeover contact/changeover contact)

Input data

Coil side

Nominal input voltage U_N	230 V AC
Input voltage range	184 V AC ... 253 V AC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	7 mA
Typical response time	4 ms ... 15 ms (with AC)
Typical release time range	4 ms ... 15 ms (with AC)
Protective circuit	Damping diode, polarity protection; Damping diode, polarity protection diode
Operating voltage display	yes

Output data

Switching

Contact switching type	Single contact, 2 changeover contacts
Type of switch contact	Single contact
Contact material	AgCdO, 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)
	1250 VA (for 250 V AC)

Dimensions

Width	27 mm
Height	33 mm
Depth	66.5 mm

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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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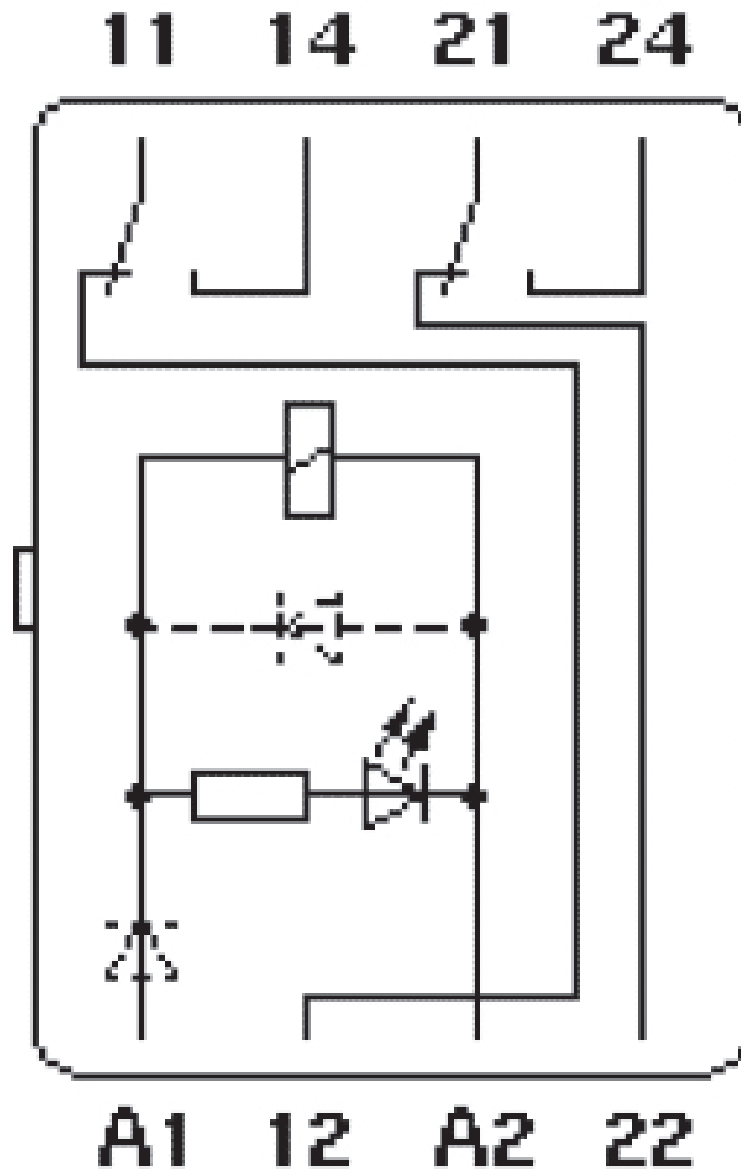
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Drawings

Circuit diagram



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Classifications

ECLASS

ECLASS-11.0	27371601
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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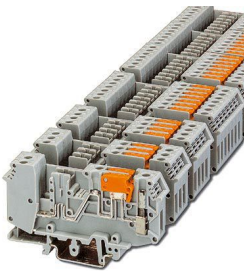
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Accessories

URELG 4-PMTK - Basic terminal block

2820712

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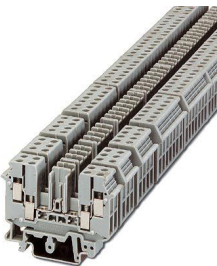


Basic terminal blocks with test pick-off on both sides and knife disconnection for NS 32 and NS 35/7,5 DIN rail, with end cover, for ST-REL..., ST-OV..., and ST-OE... plugs, 4-pos.

UDK-RELG 4 - Basic terminal block

2777056

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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, 4-pos.

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URELG 4 - Basic terminal block

2820149

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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, 4-pos.

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