

ST-REL3-KG120/21AU - Relay connectors



2826334

<https://www.phoenixcontact.com/us/products/2826334>

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Relay connector, equipped with miniature switching relay, contacts (AgPd60): small loads, 1 changeover contact, input voltage 24 V AC/DC, with LED display, pluggable into basic terminal blocks

The figure shows version ST-REL3-KG 24/21 AU

Commercial data

Item number	2826334
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK6121
GTIN	4017918077891
Weight per piece (including packing)	46.86 g
Weight per piece (excluding packing)	46.86 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. 2×10^7 cycles

Data management status

Date of last data management	01.04.2026
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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
Input voltage range in reference to U_N	0.8 ... 1.06
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	Double contact, 1 changeover contact
Type of switch contact	Double contact
Contact material	AgPd60, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Limiting continuous current	0.5 A
Maximum inrush current	0.2 A
Interrupting rating (ohmic load) max.	5 W (at 24 V DC)

Switching: when the gold layer is destroyed

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	125 V AC 150 V DC
Limiting continuous current	2 A
Maximum inrush current	2 A

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Interrupting rating (ohmic load) max.	29 W (at 24 V DC)
	29 W (at 48 V DC)
	29 W (at 60 V DC)

Dimensions

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

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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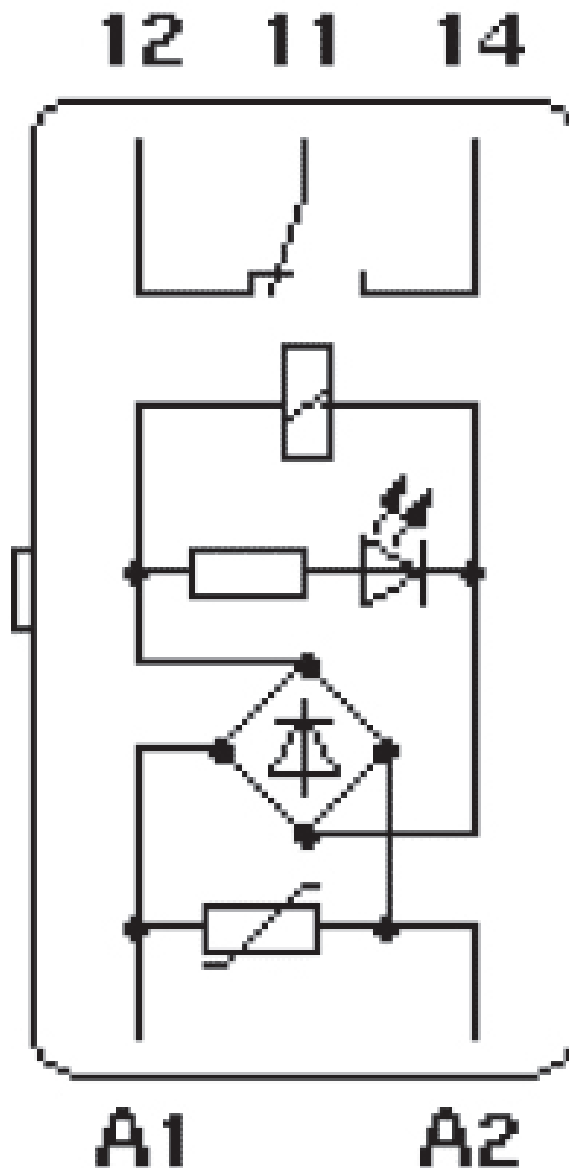
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Drawings

Circuit diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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