

ST-REL7-SG110/4X21 - Relay connectors

2899316

<https://www.phoenixcontact.com/us/products/2899316>

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The figure shows version ST-REL 7-SG 24/4X21

Relay connector, equipped Siemens-KAMMRELAIS®, contacts (Ag): medium loads, 4 changeover contacts, input voltage 110 V DC, with LED display, pluggable into basic terminal blocks

Commercial data

Item number	2899316
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6125
GTIN	4017918078836
Weight per piece (including packing)	84.79 g
Weight per piece (excluding packing)	81.6 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. 10^8 cycles (approx. 10^7 with AC relay)

Data management status

Date of last data management	01.04.2026
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Electrical properties

Maximum power dissipation for nominal condition	0.61 W
Test voltage (Winding/contact)	500 V AC (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	500 V AC (50 Hz, 1 min., changeover contact/changeover contact)

Input data

Coil side

Nominal input voltage U_N	110 V DC
Input voltage range	88 V DC ... 121 V DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical input current at U_N	5.5 mA
Typical response time	8 ms (with DC)
Typical release time	15 ms (with DC)
Protective circuit	Damping diode, polarity protection; Damping diode, polarity protection diode
Operating voltage display	yes

Output data

Switching

Contact switching type	Single contact, 4 changeover contacts
Type of switch contact	Single contact
Contact material	Ag, gold-flashed
Maximum switching voltage	125 V AC 150 V DC
Limiting continuous current	2 A
Maximum inrush current	2 A
Interrupting rating (ohmic load) max.	48 W (at 24 V DC) 40 W (at 48 V DC) 40 W (at 60 V DC) 45 W (at 110 V DC) 50 VA (for 125 V AC)

Dimensions

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Width	45.6 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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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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.)	No substance above 0.1 wt%
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