

REL-SG 48/B110 - Single relay

2960070

<https://www.phoenixcontact.com/us/products/2960070>



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KAMMRELAIS®, contact B 110, size 2, dry contact, 4 changeover contacts, input voltage 48 V DC

The figure shows the version REL-SG 24/B 110

Commercial data

Item number	2960070
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK6192
GTIN	4017918086480
Weight per piece (including packing)	27.14 g
Weight per piece (excluding packing)	16.52 g
Customs tariff number	85364190
Country of origin	DE

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Technical data

Product properties

Product type	Single relay
Mechanical service life	approx. 10 ⁸ cycles

Data management status

Date of last data management	01.04.2026
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Electrical properties

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	48 V DC
Input voltage range	38.4 V DC ... 52.8 V DC
Input voltage range in reference to U_N	0.8 ... 1.1
Typical response time	8 ms
Typical release time	3 ms
Coil resistance	3200 Ω +15 %

Output data

Switching

Contact switching type	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)

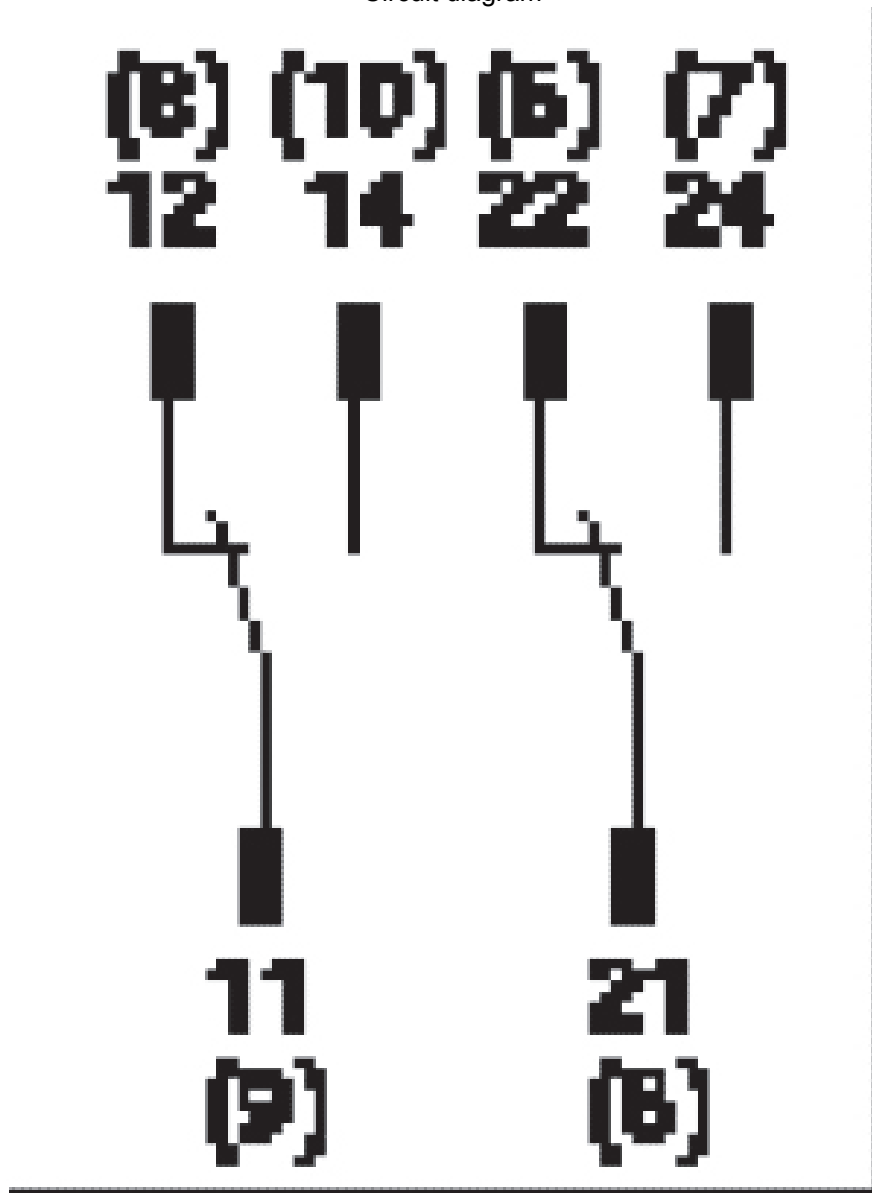
Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Drawings

Circuit diagram



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Environmental product compliance

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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