

REL-SR- 24DC/2X21/FG X - Coupling relay



1473564

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Coupling relay with force-guided contacts in accordance with DIN EN 61810-3, contact switching type 2 changeover contacts. The requirements for type A in accordance with DIN EN 61810-3 are satisfied if the circuit is designed as 1 N/O contact / 1 N/C contact.

Commercial data

Item number	1473564
Packing unit	10 pc
Minimum order quantity	20 pc
Sales key	DK69D5
Product key	DK69D5
GTIN	4063151885700
Weight per piece (including packing)	19.34 g
Weight per piece (excluding packing)	20 g
Customs tariff number	85364190
Country of origin	CN

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Technical data

Notes

Notes on operation	The outputs are not suitable for switching different outer conductors.
Notes on operation	At least a basic level of insulation is maintained against adjacent modules in the DIN rail direction. If the application has higher requirements on the insulation (reinforced insulation), then these must be realized through suitable measures (e.g. divider plates).

Product properties

Product type	Single relay
Application	Forcibly guided contacts
Set comprises	2908215 RIF-1-RPT-LDP-24DC/2X21/FG
Operating mode	100% operating factor
Mechanical service life	approx. 10^7 cycles

Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Insulation characteristics: Air clearances and creepage distances between coil and contact side

Insulation	Reinforced insulation
Overvoltage category	III
Pollution degree	2

Data management status

Date of last data management	27.07.2026
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Electrical properties

Maximum power dissipation for nominal condition	0.7 W
Test voltage (Winding/contact)	4 kV _{rms} (50 Hz, 1 min.)
Test voltage (open contact)	1.5 kV _{rms} (50 Hz, 1 min.)
Test voltage (Changeover contact/changeover contact)	2.5 kV _{rms} (50 Hz, 1 min.)

Air clearances and creepage distances between the power circuits

Rated insulation voltage	250 V AC
Rated surge voltage	4 kV

Air clearances and creepage distances between coil and contact side

Rated insulation voltage	250 V AC
Rated surge voltage	6 kV

Input data

Coil side

Nominal input voltage U_N	24 V DC
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Input voltage range	19.2 V DC ... 26.4 V DC
Input voltage range in reference to U_N	see diagram
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U_N	30 mA
Input power dissipation for U_N	0.72 W
Typical response time	15 ms
Typical release time	10 ms
Coil voltage	24 V DC
Protective circuit	Freewheeling diode
Status display	LED (yellow)

Output data

Switching

Contact switching type	2 changeover contacts, forcibly actuated
Type of switch contact	Single contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	144 W (24 V DC)
	58 W (48 V DC)
	60 V DC
	54 W (110 V DC)
	55 W (220 V DC)
	1500 VA (250 V AC)
Force-guided contacts in accordance with EN 61810-3	Type B

Dimensions

Item dimensions

Width	12.6 mm
Height	29 mm
Depth	26.3 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Relay)	RT II (Relay)
Degree of protection (Installation location)	IP54 (Installation location)
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Altitude	≤ 2000 m

Standards and regulations

Standards/regulations	EN 61810-1
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	EN 61810-3
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Air clearances and creepage distances between the power circuits

Standards/regulations	EN 60947-5-1
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Air clearances and creepage distances between coil and contact side

Standards/regulations	EN 60947-5-1
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Mounting

Mounting type	Plug-in mounting
Assembly note	in rows with zero spacing
Mounting position	any

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Classifications

ECLASS

ECLASS-13.0	27371601
ECLASS-15.0	27371601

ETIM

ETIM 10.0	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, No exemptions
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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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EF3.1 Climate Change

CO2e kg	1.773 kg CO2e
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