

REL-MR- 24DC/21 - Single relay

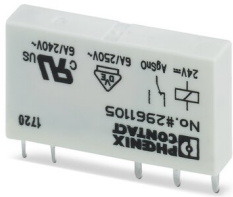


2961105

<https://www.phoenixcontact.com/in/products/2961105>

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Plug-in miniature power relay, with power contact, 1 changeover contact, input voltage 24 V DC



Your advantages

- Safe isolation according to DIN EN 50178 between coil and contact
- High degree of protection up to RT III depending on type (wash-proof)
- Power contacts up to 6 A

Commercial Data

Item number	2961105
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK6195
Catalog Page	Page 284 (C-5-2019)
GTIN	4017918130893
Weight per Piece (including packing)	6.9 g
Weight per Piece (excluding packing)	5 g
Customs tariff number	85364900
Country of origin	CZ

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Technical Data

Product properties

Product type	Single relay
Set comprises	2966171 PLC-RSC- 24DC/21
	2966184 PLC-RSC- 24UC/21
	2966113 PLC-RSC- 48DC/21
	2966472 PLC-RSP- 24DC/21
	2966485 PLC-RSP- 24UC/21
	2966498 PLC-RSP- 48DC/21
	2900299 PLC-RPT- 24DC/21
	2900300 PLC-RPT- 24UC/21
	2900301 PLC-RPT- 48DC/21
	2966210 PLC-RSC- 24DC/ 1/ACT
	2967345 PLC-RSP- 24DC/ 1/ACT
	2900312 PLC-RPT- 24DC/ 1/ACT
	2903370 RIF-0-RPT-24DC/21
2903374 RIF-0-RSC-24DC/21	
Operating mode	100% operating factor
Mechanical service life	2x 10 ⁷ cycles

Insulation characteristics

Overvoltage category	III
Pollution degree	3

Electrical properties

Maximum power dissipation for nominal condition	0.17 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

Input data

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range	14.4 V DC ... 66 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	7 mA
Typical response time	5 ms
Typical release time	2.5 ms
Coil resistance	3390 Ω \pm 10 % (at 20 °C)

Output data

Switching

Contact type	1 changeover contact
Type of switch contact	Single contact

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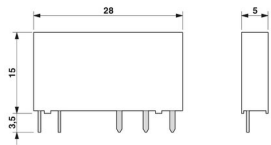
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Drive and function	monostable
Drive (polarity)	bipolar
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Limiting continuous current	6 A
Maximum inrush current	10 A (4 s)
Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	140 W (at 24 V DC) 20 W (at 48 V DC) 18 W (at 60 V DC) 23 W (at 110 V DC) 40 W (at 220 V DC) 1500 VA (for 250 V AC)
Switching capacity	2 A (at 24 V, DC13) 0.2 A (at 110 V, DC13) 0.1 A (at 220 V, DC13) 3 A (at 24 V, AC15) 3 A (at 120 V, AC15) 3 A (at 230 V, AC15)
Motor load according to UL 508	1/4 HP, 240 - 277 V AC (N/O contact) 1/6 HP, 240 - 277 V AC (N/C contact)

Connection data

Connection method	Plug / solder connection
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Dimensions

Dimensional drawing	
Width	5 mm
Height	28 mm
Depth	15 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	RT III
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Standards and regulations

IEC 60664

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Standards/regulations	EN 50178
	EN 61810-1

Mounting

Assembly instructions	in rows with zero spacing
Mounting position	any

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