

REL-PR3- 24DC/3X1 - Single relay



2903706

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Plug-in high-power relay with power contacts, 3 N/O contacts, coil voltage: 24 V DC



Commercial Data

Item number	2903706
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CK6
Product Key	CK6193
Catalog Page	Page 314 (C-5-2019)
GTIN	4046356759182
Weight per Piece (including packing)	85.22 g
Weight per Piece (excluding packing)	79.04 g
Customs tariff number	85364190
Country of origin	PL

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Technical Data

Product properties

Product type	Single relay
Set comprises	2903275 RIF-4-RPT-LDP-24DC/3X1
	2903284 RIF-4-RSC-LDP-24DC/3X1
Operating mode	100% operating factor
Mechanical service life	approx. 10^7 cycles

Insulation characteristics

Insulation	Basic insulation
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Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	3

Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	1.68 W
Test voltage (Winding/contact)	2.5 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	2.5 kV _{rms} (50 Hz, 1 min., contact/contact)
Test voltage (N/O contact / N/O contact)	2.5 kV _{rms} (50 Hz, 1 min., N/O contact / N/O contact)
Rated insulation voltage	250 V AC
Rated surge voltage	4 kV

Input data

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range	20.4 V DC ... 26.4 V DC (20 °C)
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U_N	70 mA
Typical response time	20 ms
Typical release time	15 ms

Output data

Switching

Contact type	3 N/O contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	440 V AC
	250 V DC

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Minimum switching voltage	10 V (At 24 mA)
Limiting continuous current	16 A
Maximum inrush current	50 A (20 ms, N/O contacts)
Min. switching current	10 mA (at 24 V)
Interrupting rating (ohmic load) max.	384 W (at 24 V DC) 720 W (at 48 V DC) 600 W (at 60 V DC) 660 W (at 110 V DC) 183 W (at 220 V DC) 4000 VA (for 250 V AC) 4000 VA (at 440 V AC)
Switching capacity	1 A (at 24 V, DC13) 1 A (at 120 V, DC13) 1 A (at 220 V, DC13) 1.5 A (at 24 V, AC15) 1.5 A (at 120 V, AC15) 1.5 A (at 240 V, AC15)
3-phase motor load	1500 W (at 400 V, AC3)
Motor load according to UL 508	1/3 HP, 120 V AC (N/O contact) 1/2 HP, 240 V AC (N/O contact)

Connection data

Connection method	Plug-in connection
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Dimensions

Width	38.6 mm
Height	36.1 mm
Depth	45.5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	RT I
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group EN 60068-2-60
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Standards and regulations

Standards/regulations	IEC 60664 IEC 61810
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Mounting

Mounting position

any

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