

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



2903707

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



Commercial Data

Item number	2903707
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CK6
Product Key	CK6193
Catalog Page	Page 314 (C-5-2019)
GTIN	4046356759199
Weight per Piece (including packing)	83.2 g
Weight per Piece (excluding packing)	83.2 g
Customs tariff number	85364190
Country of origin	PL

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Technical Data

Product properties

Product type	Single relay
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	2.78 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 AC
Input voltage range	20.4 V AC ... 26.4 V AC (20 °C)
Mains frequency	50/60 Hz
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U_N	116 mA
Typical response time	5 ms ... 25 ms (depending on phase relation)
Typical release time range	5 ms ... 20 ms (depending on phase relation)

Output data

Switching

Contact switching type	3 N/O contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	440 V AC 250 V DC
Minimum switching voltage	10 V (At 24 mA)

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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 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 ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

Corrosive gas test

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

Standards and regulations

Standards/regulations	IEC 60664
	IEC 61810

Mounting

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Mounting position

any

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