

REL-PR3- 24DC/3X21

Order No.: 2903702



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

Commercial data

EAN	4 046356 759144
sales group	G082
Pack	1 Pcs.
Customs tariff	85364190
Gross weight in pieces	0.08871 KG
Net weight per piece	0.08871 KG
Catalog page information	Page 300 (C-7-2013)

Product notes

WEEE/RoHS-compliant since:
07/05/2012



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Technical data

Dimensions

Width	38.6 mm
Height	45.5 mm
Depth	36.1 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
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Ambient temperature (storage/transport)	-40 °C ... 85 °C
Coil side	
Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	56 mA
Typical response time	20 ms
Typical release time	15 ms
Status display	Yellow LED
Protective circuit	Damping diode
Contact side	
Contact type	3 PDTs
Contact material	AgNi
Maximum switching voltage	440 V AC
	250 V DC
Minimum switching voltage	10 V (At 24 mA)
Maximum inrush current	50 A (20 ms, N/O contact)
Min. switching current	10 mA (at 24 V)
Limiting continuous current	16 A
Interrupting rating (ohmic load) max.	384 W (at 24 V DC)
	124 W (at 48 V DC)
	108 W (at 60 V DC)
	52 W (at 110 V DC)
	70 W (at 220 V DC)
	4000 VA (for 250 V AC)
	4000 VA (At 440 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (at 24 V, DC13)
	0.22 A (at 120 V, DC13)
	0.11 A (at 250 V, DC13)
	3 A (at 24 V, AC15)
	3 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 (single-phase AC motor)
	1/2 HP, 240 V AC (single-phase AC motor)
	1/2 HP, 240 V AC (three-phase induction motor)

General

Test voltage relay winding/relay contact	2.5 kV _{rms} (50 Hz, 1 min.)
Test voltage relay contact/relay contact	2.5 kV _{rms} (50 Hz, 1 min.)
Test voltage PDT/PDT	2.5 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT I
Mechanical service life	Approx. 10 ⁷ cycles
Designation	Air and creepage distances between the power circuits
Standards/regulations	IEC 60664
Rated insulation voltage	250 V AC
Pollution degree	3
Surge voltage category	III
Designation	Standards/regulations
Standards/regulations	IEC 61810
Mounting position	any

Connection data

Connection method	Plug connection
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Certificates / Approvals



Certification

CSA, cULus Recognized

Certifications applied for:

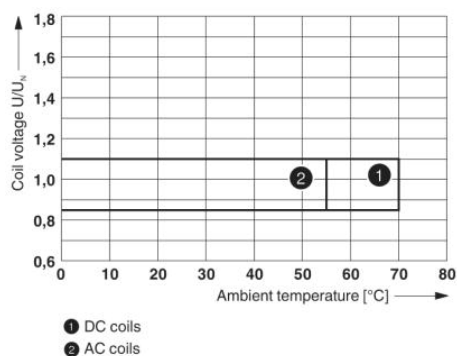
Certification Ex:

Accessories

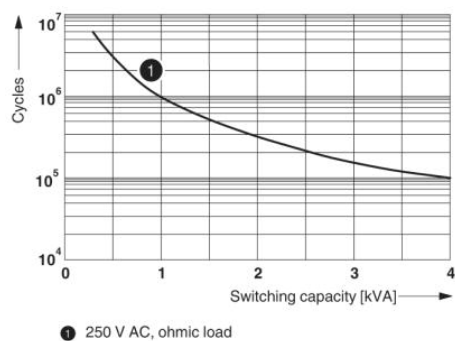
Item	Designation	Description
Relay base		
2900961	RIF-4-BPT/3X21	RIF-4... relay base, for high-power relay with 2 or 3 PDTs or 3 N/O contacts, push-in connection, plug-in option for input/suppressor modules, for mounting on NS 35/7,5

Drawings

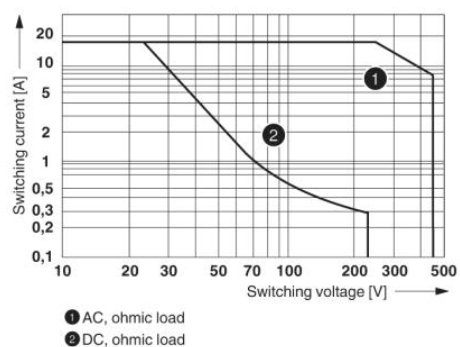
Diagram



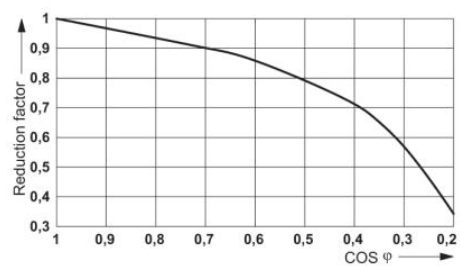
Operating voltage range



Electrical service life

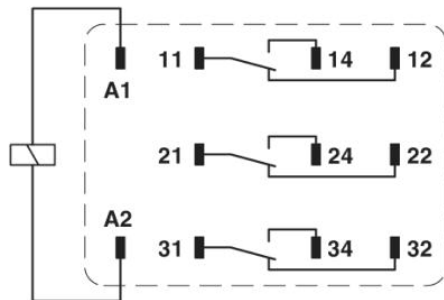


Interrupting rating



Service life reduction factor

Circuit diagram



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