Power Relay 24 V 4 Pins 50 A with detachable metal bracket

PR10-4B4-0-50A

Technical data

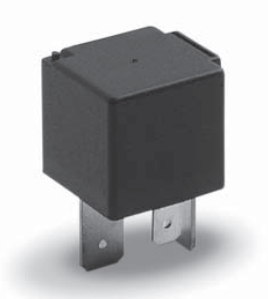
Nominal Voltage	U_N	24 V
Operating Voltage	U_{OP}	18 V…30 V
Voltage Drop	Δ_U	≤ 100 mV @ IN
Pull- In Voltage	U_I	≤ 16 V @ TP
Pull-Off Voltage	U_O	≥ 4 V @ TP
Test Voltage	U_P	26 V ± 0,4 V
Coil Current	I_C	≤ 80 mA ± 10 mA
Operate Time with Load	T_P	100.000 times/TP IN 2"ON / 2"OFF
Nominal Current	I_N	50 A
Max Continuous Current	I_{CM}	23 °C 50 A N/O 85 °C 40 A N/O
Max Switching Current	I_{SCA}	ON 130 A N/O OFF 55 A N/O
Short Time Current	I_M	130 A / 1 sec @ TP
Operating Temperature	T_{OP}	-40 °C…+85 °C
Storage Temperature	T_{STO}	+110 °C @ 2 h
Test Temperature	T_P	+20 °C ± 2 °C
Unit Weight	W	40 g

Materials

Baseplate	Nylon PA 6,6 + 30 % Glass fibre Black	
Cap	Nylon PA 6,6 + 15 % Glass fibre	
Bobbin Wire	24 V P155 IEC 60317	
Spring	Cu Be 17410 ½ HT	
Terminals	Cu Zn	Term. 86,85: (6,3x0,8mm) Term. 87,30: (9,5x1,2mm)
Fixed Contact	Ag SnO2	
Moving Contacts	Ag SnO2	

Approvals

In conformity with:	ISO 7588 – DIN 46244 – ISO 8092
	UNI EN ISO 9001-2000
	EU Dir. 2002/95/EC RoHS
	DIR. 95/54 CE REG. 10 ECE-ONU/02
	DIN 40050: IP5K4 Terminals pointing downwards
	IMDS: 75948



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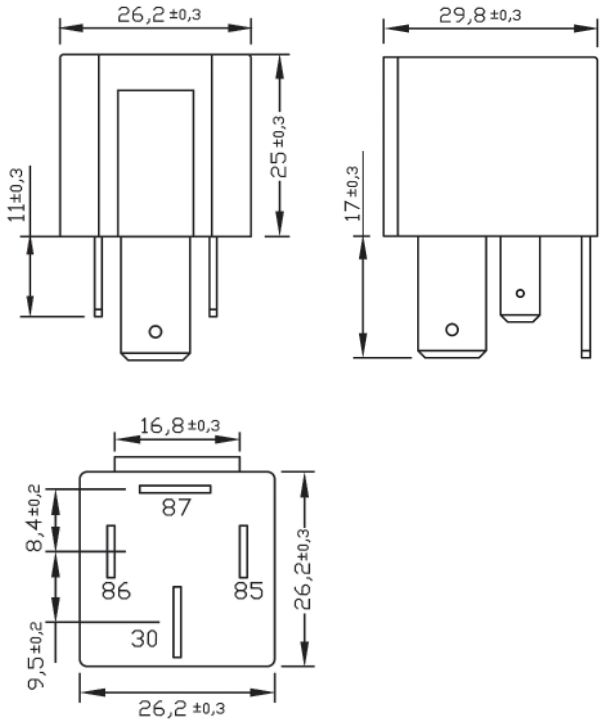
Normally Open – Type B

Dimensions



Wiring diagram

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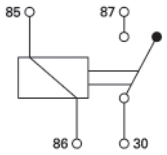

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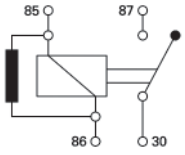

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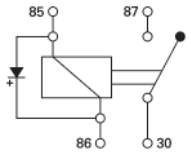

Note: Recommended polarity:
86+ & 30+

Resistor Carbon Film
1500 Ω ± 5%

Diode IN4007
1000 V 1 A