Power Relay 12 V 4 Pins 70 A with detachable metal bracket

PR10-2B4-0-70A

Technical data

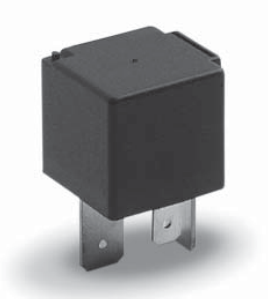
Nominal Voltage	U_N	12 V
Operating Voltage	U_{OP}	9 V…16 V
Voltage Drop	Δ_U	≤ 100 mV @ IN
Pull- In Voltage	U_I	≤ 8 V @ TP
Pull-Off Voltage	U_O	≥ 2,5 V @ TP
Test Voltage	U_P	13 V ± 0,2 V
Coil Current	I_C	≤ 140 mA ± 10 mA
Operate Time with Load	T_P	100.000 times/TP IN 2"ON / 2"OFF
Nominal Current	I_N	70 A
Max Continuous Current	I_{CM}	23 °C 70 A N/O 85 °C 52 A N/O
Max Switching Current	I_{SCA}	ON 150 A N/O OFF 65 A N/O
Short Time Current	I_M	130 A / 1 sec @ TP
Operating Temperature	T_{OP}	-40 °C…+80 °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	12 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	
Metal Bracket	CK 67 Hardness 490 ± 525 HV1	

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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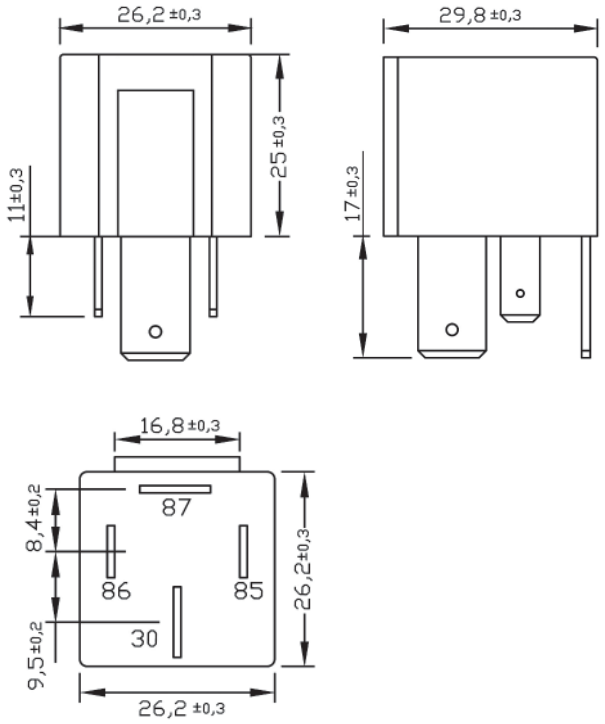
Normally Open – Type B

Dimensions



Wiring diagram

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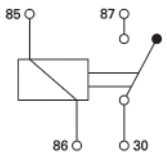

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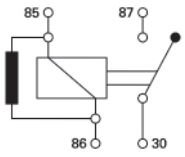

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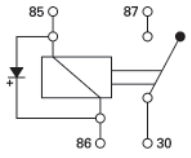

Note: Recommended polarity:
86+ & 30+

Resistor Carbon Film
560 Ω ± 5%

Diode IN4007
1000 V 1 A