



24V SPNO Automotive Fused Relay Metal Bracket

15A & 30A



FEATURES

Small & Light Weight
30A Switching Capability
Insert Mounting, with Metal Frame
Outline Dimensions: 30.7 x 25 x 21.1mm

CONTACT PARAMETERS

Contact Arrangement	1A
Contact Material	Silver Alloy
Voltage Drop (Initial)	Typ. 50mV. Max. 300mV (at 10A)
Max. Continuous Current	30A
Max. Switching Voltage	30VDC
Electrical Life	1 x 10 ⁵ OPS
Mechanical Life	1 x 10 ⁶ OPS

FUNCTION PARAMETERS

Insulation Resistance	500MΩ (500VDC)
Dielectric Strength	Between Coil & Contacts: 500VAC 1min
	Between Open Contacts: 500VAC 1min
Operate Time	≤7ms
Release Time	≤5ms
Ambient Temperature	-40°C ~ +125°C
Vibration	10Hz~500Hz, 49m/s ² (5G)
Shock	147m/s ²
Terminal Form	QC
Construction	Dust Protected
Unit Weight	Approx. 32g
Mechanical Data	Cover Retention: (Push & Pull) 200N
	Terminal Retention: (Push & Pull) 100N
	Terminal Resistance to Bending: (Front& Side) 10N

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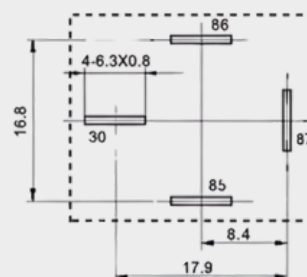
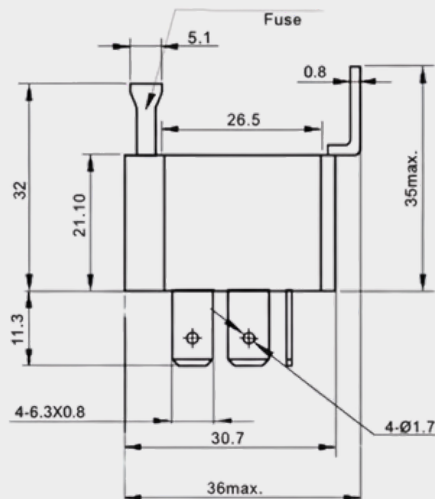
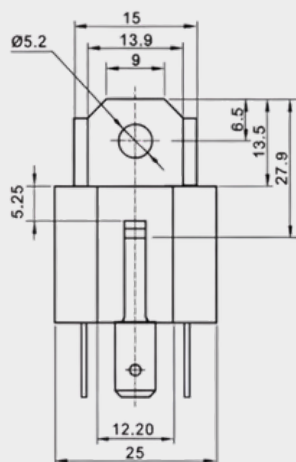
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Rated Voltage	Operate Voltage	Release Voltage	Coil Resistance	Coil Power	Max. Allowable Overdrive Voltage VDC	
VDC	VDC	VDC	mm	W	20°C	85°C
6	≤3.9	≥1.2	20	1.8	10.2	7.8
12	≤7.8	≥2.4	80		15.6	16
24	≤15.6	≥4.8	320		34.6	30

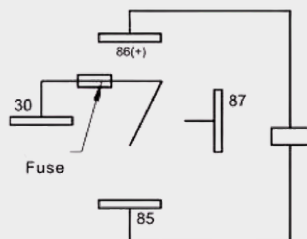
ALL FIGURES QUOTED ARE APPROXIMATE

Max. Allowable Overdrive Voltage is Stated with no Load Applied Minimum Coil Resistance

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (mm)



WIRING DIAGRAM



In case of no tolerance shown in outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension > 1mm and ≤5mm, tolerance should be ±0.3mm; outline dimensions > 5mm, tolerance should be ±0.4mm.

The tolerance without indicating for PCB layout is always ±0.1mm.

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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