30 Amp Automotive Plug-In Relay with Integral Fuse

PC798

FEATURES

- 20 Amp Continous Carrying Capacity
- 30 Amp Fuse Option
- Popular Automotive Relay Style

RoHS COMPLIANT

CONTACT RATING

Contact Form	1A SPST NO
Contact Rating	30A @ 14VDC, resistive
	15A @ 28VDC, resisttive

CONTACT DATA

Material		$AgSnO_2$
Initial Contact Resistance		50 mΩ max
Max Switching Current		30 A
Max Continuous Current		20 A
Max Switching Voltage		75 VDC
Max Switching Power		420 W
Service Life	Mechanical	1 x 10^7 operations
	Electrical	1 x 10^5 operations

For continuous operation longer than 30 minutes, no more than 20A carry current is recommended.

CHARACTERISTICS

Insulation Resistance	100 MΩ min. at 500 VDC, 50% RH
Dielectric Strength	750 Vrms, 50 Hz, between coil and contact 500 Vrms, 50 Hz, between contacts
Shock Resistance	100 m/s^2 11 ms
Vibration Resistance	1.27mm double amplitude 10~40 Hz
Terminal Strength	8N
Power Consumption	1.8W
Operating Temperature	-40ºC to 105ºC
Storage Temperature	-40ºC to 125ºC
Weight	32g

COIL DATA

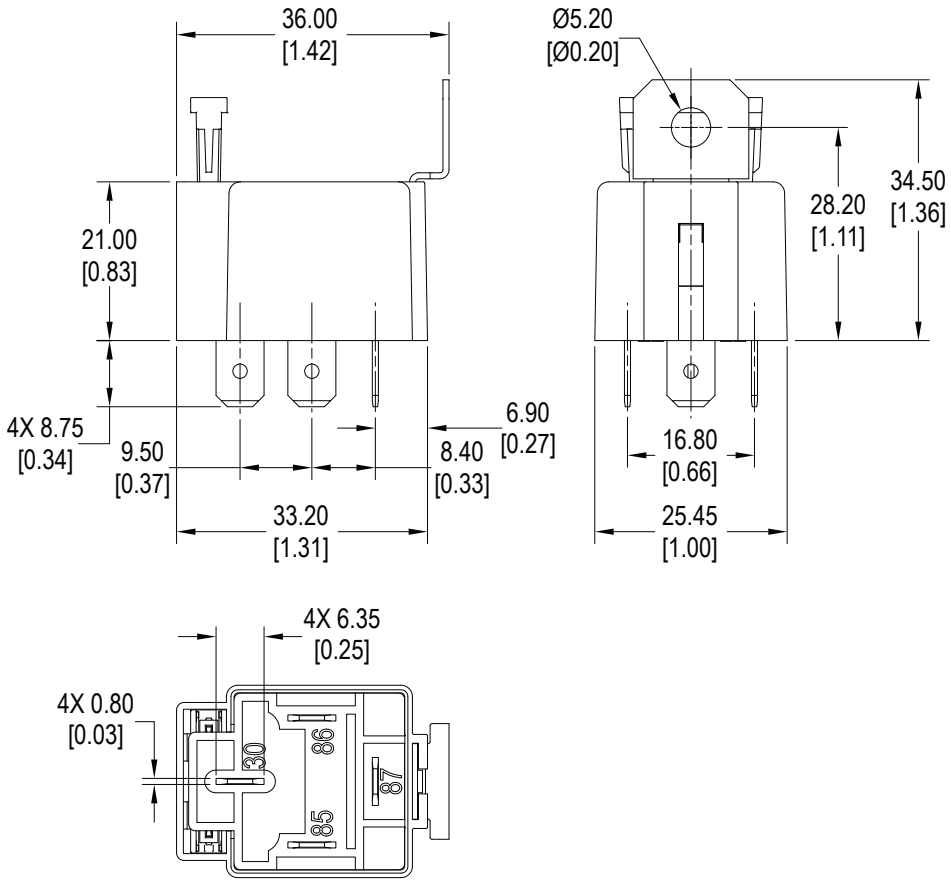
Coil Voltage		Coil Resistance (Ohms ± 10%)	Must Operate Voltage Max. (VDC)	Must Release Voltage Max. (VDC)	Power Consumption (W)	Operate Time ms	Release Time ms
Rated	Maximum						
12	15.6	80	7.8	2.4	1.8	7	5
24	31.2	320	15.6	4.8			

ORDERING INFORMATION

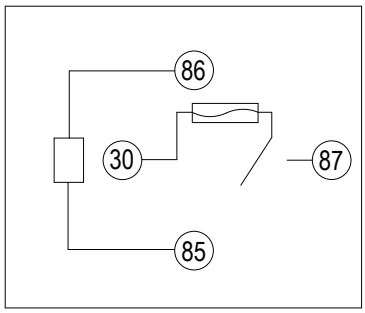
Example	PC798	-1A	-C2	-12	C	-N	-X

Model:	PC798
Contact & Fuse Rating:	Nil = 30A
Contact Form:	1A
Case Style:	C2 = Metal Bracket
Coil Voltage	12 24
Enclosure:	C = Dust Cover
Terminal Plating:	N = Tin
RoHS Compliant	-X

DIMENSIONS *mm (inches)*

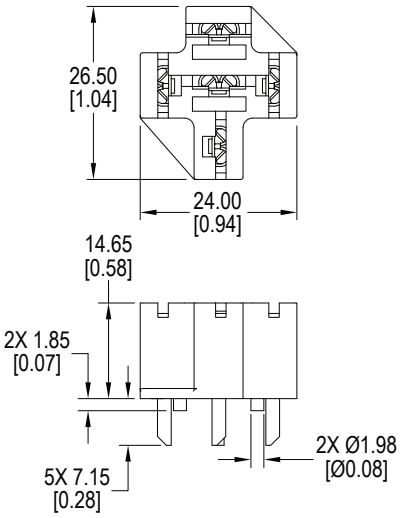


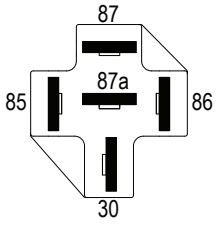
SCHEMATICS *Bottom Views*



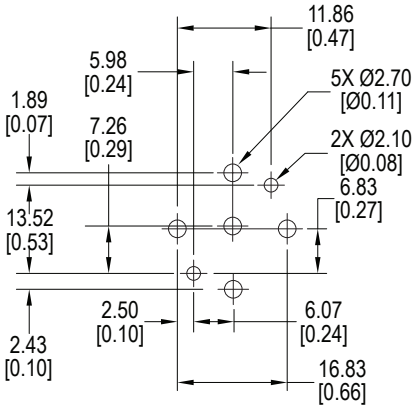
SOCKETS *mm (inches)*

RS2105





Schematic



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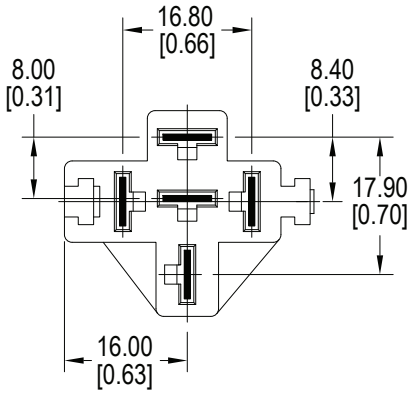
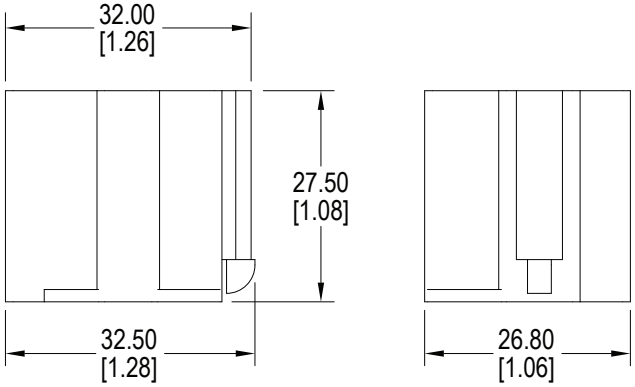




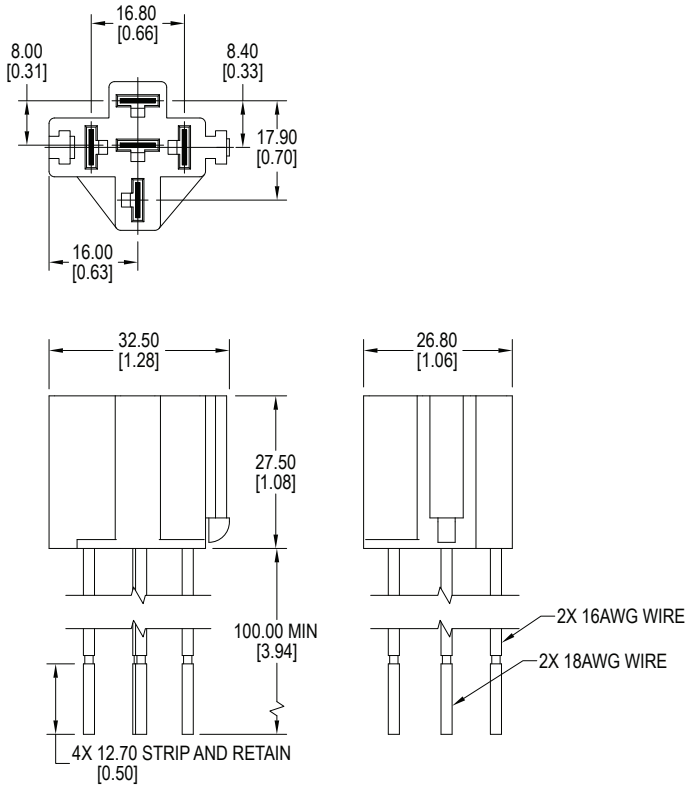
Metal Crimp Terminal Compatibility

Mfr.	Part Number	Wire AWG	Blade
TE	42100	14-18	1/4”
TE	42281	14-18	1/4”
TE	42904	12-16	1/4”
TE	60249	12-16	1/4”
TE	60253	12-14	1/4”

CIT Relay & Switch references these female quick connect terminals to be used with our automotive sockets. Current capability of the terminals depends on the gauge of the wire used, the quality of the crimp, the addition of solder or a weld, operating conditions, ambient temperature, and so forth. Terminals to be purchased separately from the manufacturer.

SOCKETS *mm (inches)*

RS2314



RS2315