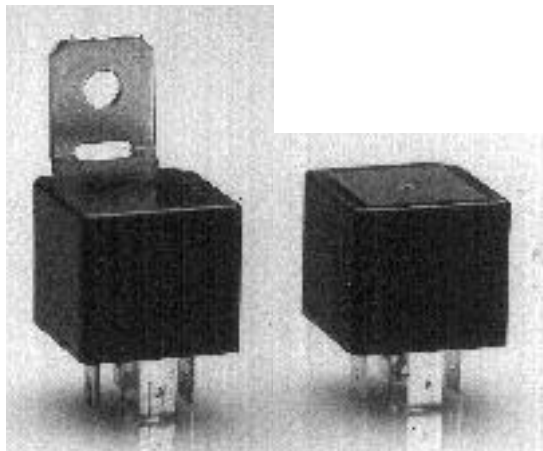


Features

- .250" Quick Connect terminals
- Industry standard pin-out
- SPST & SPDT versions
- Flange Mount - "F" suffix
- PC board mount - "P" suffix



SPST-NO,
1 Form "A"



SPDT,
1 Form "C"



Contact Rating @ 14VDC (* Inrush current for lamp load)

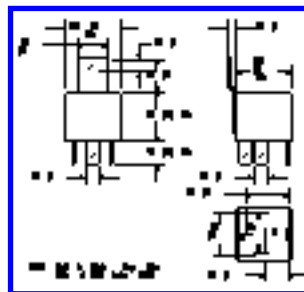
Maximum Load Current	40 Amp Rated		70 Amp Rated
	N.O.	N.C.	N.O.
Continuous Current	60A	40A	70A
Make Current (*)	120A	45A	120A
Break Current	60A	40A	70A

R51 Series

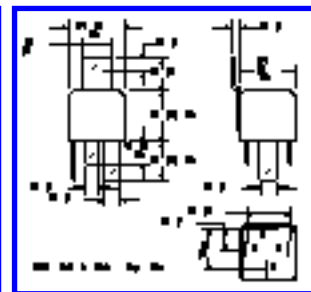
40 Amp and 70 Amp, SPST and SPDT Relays for use in Automotive/Marine/Tractor/Lawn Mower/Rec. Vehicles/Golf cart Applications

Dimensional Drawing

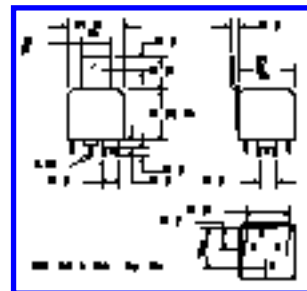
D38



D38a



D38b



Electrical Specifications

Contact

Material: AgNi 0.15

Minimum Recommended Current: 1A @ 12VDC

Maximum Switching Rate:

20 Operations/Second @ No Load

6 Operations/Minute for rated Life @ Rated Load

Coil

Coil Voltages: 12VDC

Resistance: See Chart

Operational Characteristics

Timing Value:

Operate Time: 7 mS

Release Time: 2 mS

Insulation Characteristics

Dielectric Strength:

DC OPERATED

NTE Type No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms Typ	Nom. Power	Max. Contact Current @ 14VDC	Diag. No.
R51-1D40-12	12VDC	SPST-NO	90	1.6W	40A	D38
R51-1D40-12F	12VDC	SPST-NO	90	1.6W	40A	D38
R51-5D40-12	12VDC	SPDT	90	1.6W	40A	D38
R51-5D40-12F	12VDC	SPDT	90	1.6W	40A	D38
R51-1D70-12	12VDC	SPST-NO	72	2.0W	70A	D38a

R51-1D70-12F	12VDC	SPST-NO	72	2.0W	70A	D38a
R51-1D70-12P	12VDC	SPST-NO	72	2.0W	70A	D38b

Between Contacts and Coil: 500 VRMS

Environmental Characteristics

Operating: -40°C to +125°C

Storage: -40° to +155°C

Life

Mechanical: 100,000 operations @ Maximum Rated Current,

Mechanical: 14VDC, with Resistive Load

Weight

Std: 1.1 oz (31 grams) approx.

ACCESSORIES

Mounting Styles	Description	NTE Type No.
PC Mount	5-Pin PC Board Socket	R95-160 (40 Amp ONLY)



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