



RELAY ASSY

4PDT - 10 Amp

SERIES

E4S

1 - FEATURES

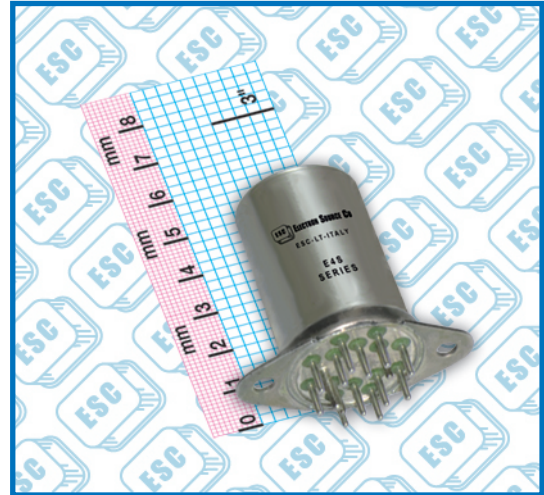
- Hermetically sealed
- 10 Amp contacts
- Military applications

2 - MILITARY SPECIFICATION

According to MIL-R-5757 environmental.

3 - FUNCTIONAL DESCRIPTION

The - E4S - series is a non polarized 4PDT relay assy with 10 Amp capability contacts.



4 - ENVIRONMENTAL SPECIFICATIONS

	Min.	Nom.	Max.	Units	Notes
Temperature	-65		+125	°C	Operating
Shock (Mechanical)		100		G	6±1 mS duration
Vibration		20		G	60 to 2000 Hz - Sinusoidal
Altitude		300000		Feet	Typical [91440 meters]
Sealing		1.3		in Hg	Hermetic
Weight		3.5		Oz.	Typical [100 grams]

5 - ELECTRICAL CHARACTERISTICS

	Min.	Nom.	Max.	Units	Notes
Contact Rating		10		Amp	Resistive load @ 30 Vdc
		5		Amp	Inductive load (75 mH) @ 30 Vdc
Coil					See Coil Table
Life	50000			Operations	
Contact Resistance		100		mΩ	Initial
Operate Time			5.0	mS	@ nominal coil voltage
Release Time			5.0	mS	@ nominal coil voltage
Contact Bounce			5.0	mS	@ nominal coil voltage
Dielectric Strength			1000	Vrms	60 Hz @ sea level all points except between open contacts
Dielectric Strength			500	Vrms	60 Hz @ sea level between open contacts
Insulation Resistance	1000			MΩ	@ 500 Vdc - All terminals to case
Contact Changeover					Simultaneous @ nominal coil voltage



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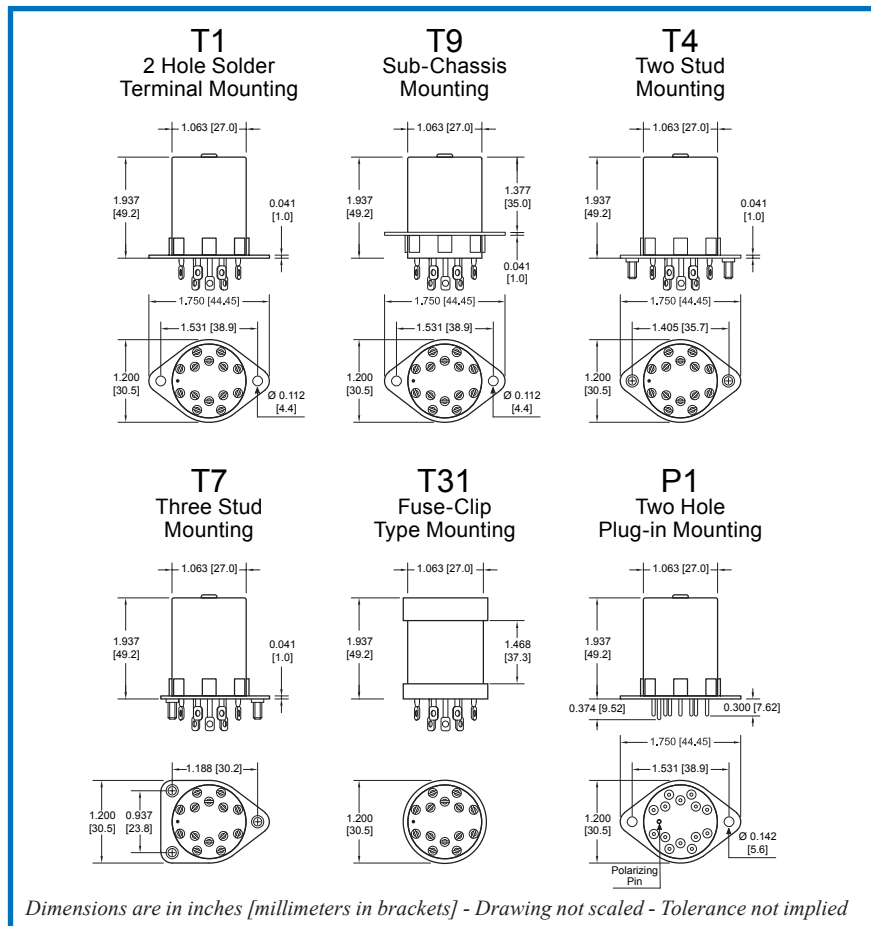
SERIES

E4S

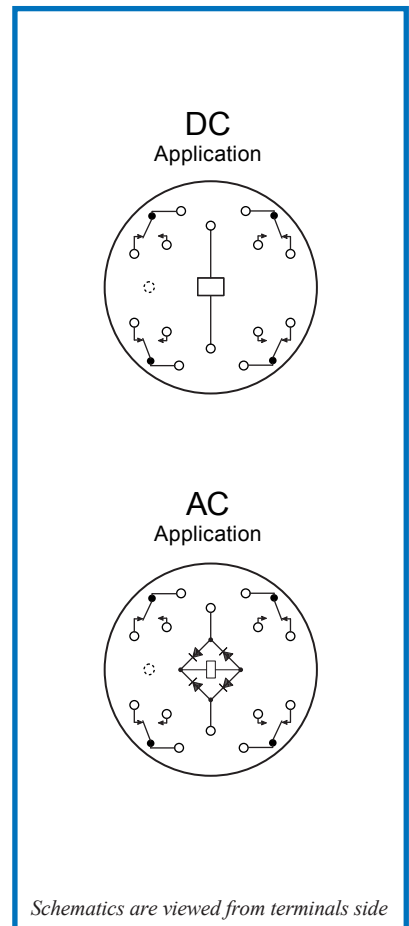
6 - COIL TABLE

COIL CODE	COIL VOLTAGE			COIL RESISTANCE (Ohm) ±10% @ 25°C	PICK-UP (Vdc) Max @ +125°C	DROP-OUT (Vdc) Min @ -65°C
	Nom.	Max.	-			
A	6.0	7.0	Vdc	7.5	5.1	0.25
B	12.0	13.5	Vdc	32	10.5	0.50
C	24.0	25.5	Vdc	125	21.0	0.80
D	26.5	32.0	Vdc	150	22.5	1.00
E	48.0	52.0	Vdc	600	42.0	1.60
F	24.0	25.5	60 Hz	125	15.0	0.80
G	50.0	53.0	50 Hz	500	30.0	1.60
H	115.0	122.0	400 Hz	2400	64.0	4.00
I	115.0	122.0	60 Hz	2400	64.0	4.00

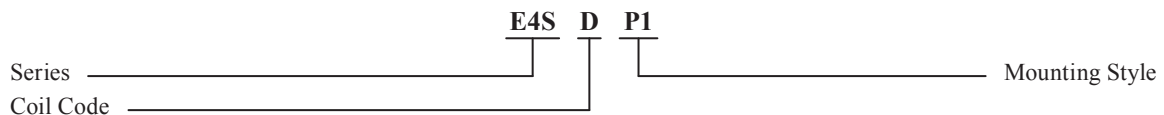
7 - MOUNTING STYLES



8 - WIRING



HOW TO ORDER



For any special requirement contact factory.