

General characteristics

E110

No. of poles	1 Form C (1PDT)
Volume	3.3 cm ³ [.2 in ³]
Mass	17 grams [.037 lb. Max]

Switching characteristics

Operate time @ 25° C	6 ms max.
Release time @ 25° C	6 ms max.
Bounce time	1 ms max.
Mechanical Life	400,000 cycles

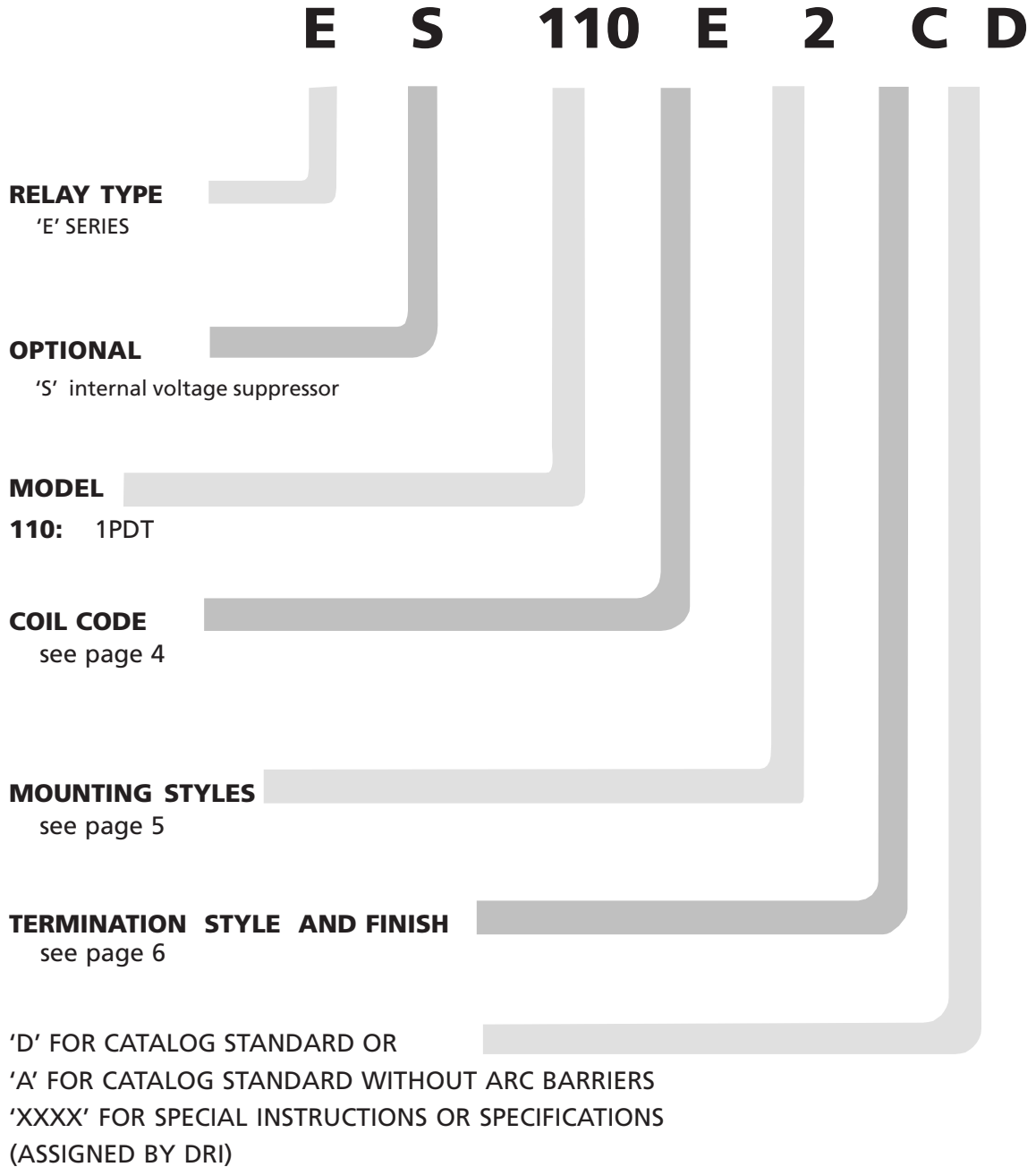
Contact rating	Type of load (High level)	cycles x 10 ³	28Vdc		115 Vac
					400 Hz 1 phase
	Resistive	50	10 amps	10 amps	
	Inductive	10	6 amps	n/a	
	Inductive	20	n/a	8 amps	
	Motor	50	4 amps	4 amps	
	Lamp	50	2 amps	2 amps	
	Overload current	n/a	30 amps	60 amps	
	Rupture current	n/a	32 amps	80 amps	

Environmental characteristics

Temperature Range	-70°C to +125°C
Vibration (Sinusoidal)	30 g 70-3000 Hz
Shock, any axis	200 g 6 ms
- Mounting style 3	100 g 6 ms
Seal	Hermetic (1 x 10 ⁻⁸ atm cm ³ /s)

Electrical characteristics

Contact voltage drop (@ Rated resistive load)	
- Initial	150 mV Max.
- After guaranteed life	175 mV Max.
Dielectric strength @ sea level	Coil to Case All other points
- Initial @ 60Hz	1000 Vrms 1250 Vrms
- After guaranteed life @ 60 Hz	750 Vrms 1000 Vrms
Insulation Resistance	
- Initial	100 Megohms min. @ 500 Vdc
- After life tests	50 Megohms min. @ 500 Vdc
Reference Military Specifications	MIL-PRF-83536

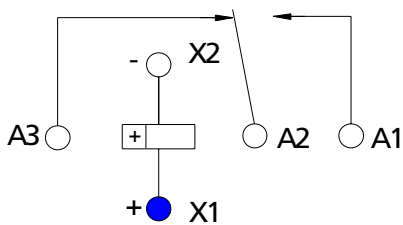


Coil characteristics

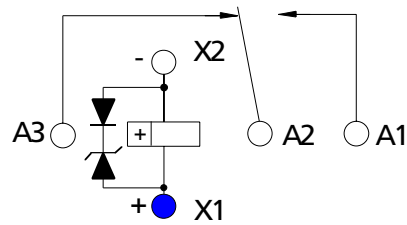
COIL CODE	DC				
	A	B	D	E	G
Nominal coil voltage	6	12	26.5	28	48
Maximum pick-up voltage at 25°C	3.3	6.5	13.5	13.5	24
Maximum pick-up voltage at 125°C	4.5	9	18	18	36
Maximum hold voltage at 125°C	2.3	4.5	7	7	12
Minimum drop-out voltage at -70°C	0.25	0.5	1.2	1.5	2.4
Coil resistance (ohms ± 10% at 25° C)	23	90	440	500	1400
Max coil transient suppression (where applicable) VDC	42	42	42	42	100

OTHER VOLTAGES AVAILABLE FROM FACTORY ON REQUEST

Circuit diagram



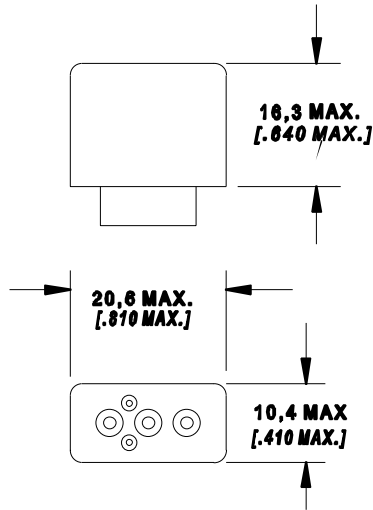
E110



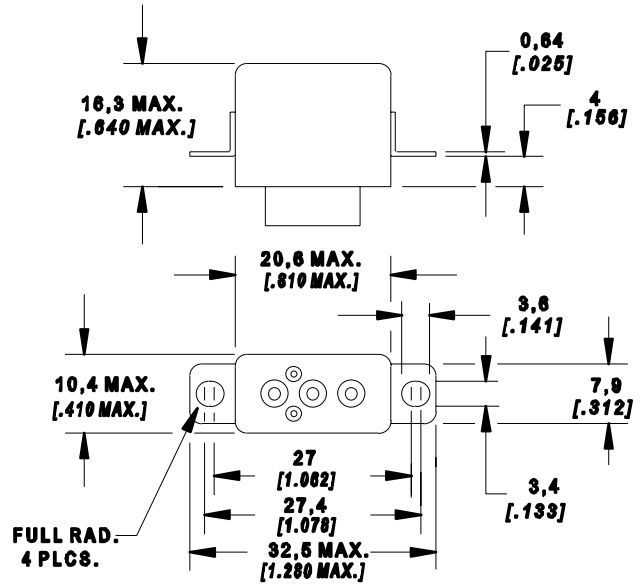
ES110
OPTIONAL INTERNAL
VOLTAGE SUPPRESSOR

■ Mounting Styles

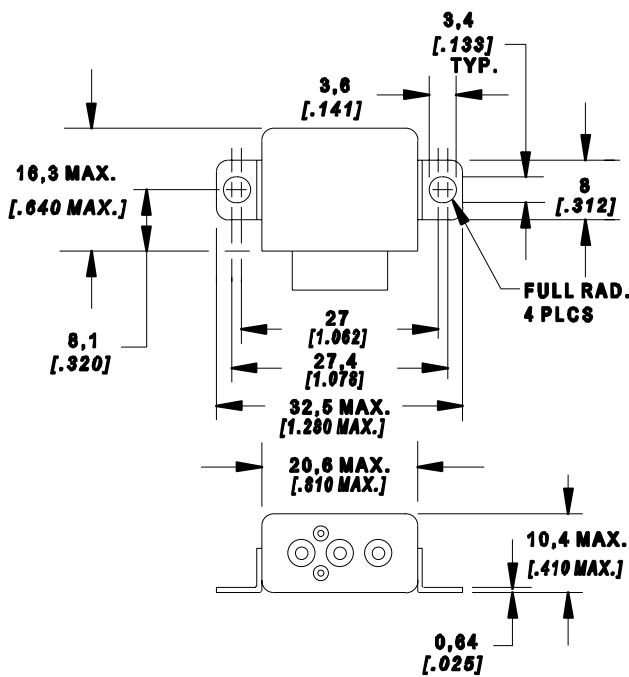
DIMENSIONS ARE IN MM (IN.)
UNLESS OTHERWISE SPECIFIED, TOLERANCE IS $\pm 0,25$ [.010]



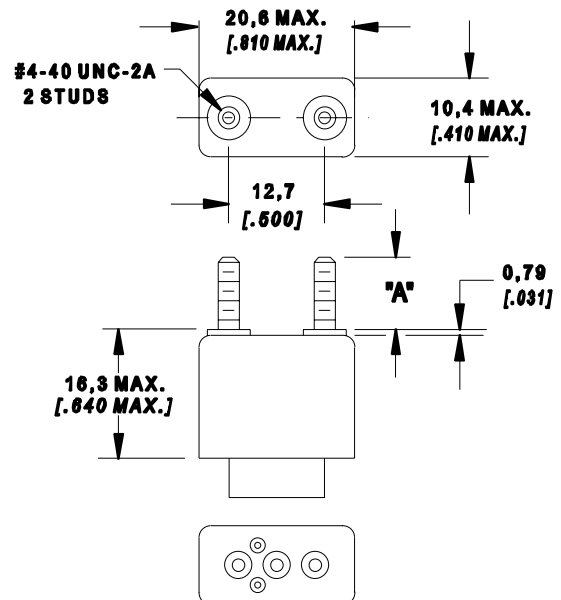
STYLE 1
NO MOUNT



STYLE 2
RAISED VERTICAL FLANGE MOUNT



STYLE 3
HORIZONTAL FLANGE MOUNT

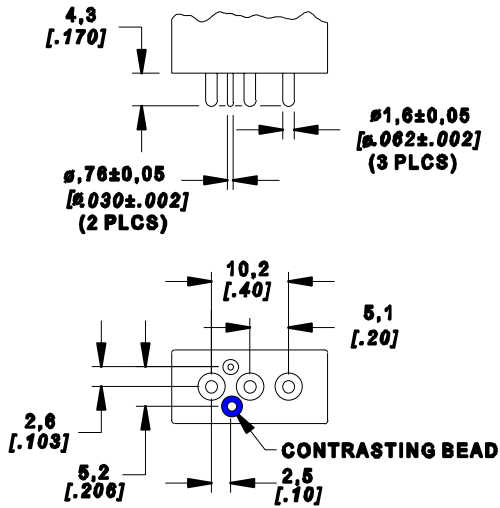


STYLE M and R
TOP STUD MOUNT

STYLE	DIM "A"
M	8,5 [.375]
R	6,35 [.250]

Termination styles

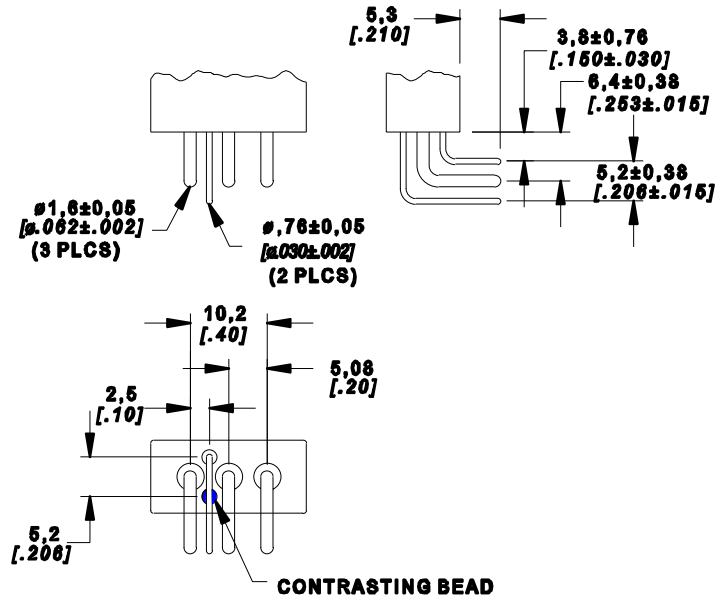
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SOLDER PIN

STYLE A: TIN PLATED

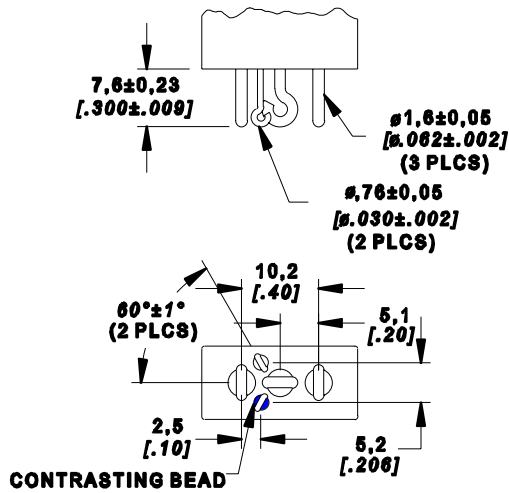
STYLE B: SOLDER DIPPED



90° SOLDER PIN

STYLE D: TIN PLATED

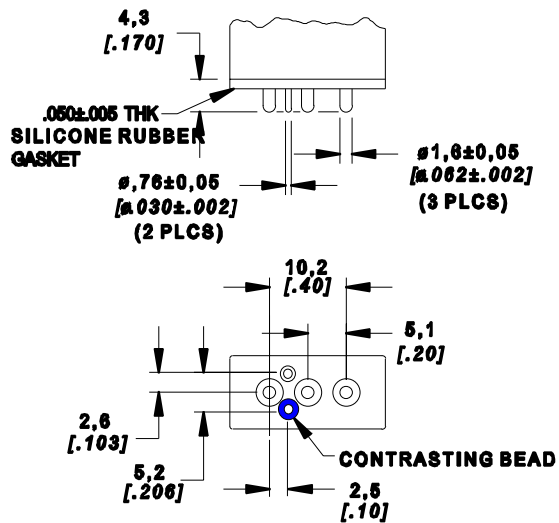
STYLE E: SOLDER DIPPED



SOLDER HOOK

STYLE H: TIN PLATED

STYLE J: SOLDER DIPPED



PLUG IN

STYLE M: GOLD PLATED