

General characteristics

EL325

No. of poles	3 Form C (3PDT)
Volume	3.3 cm ³ [1 in ³]
Mass	82 grams [1.8 lb. Max]

Switching characteristics

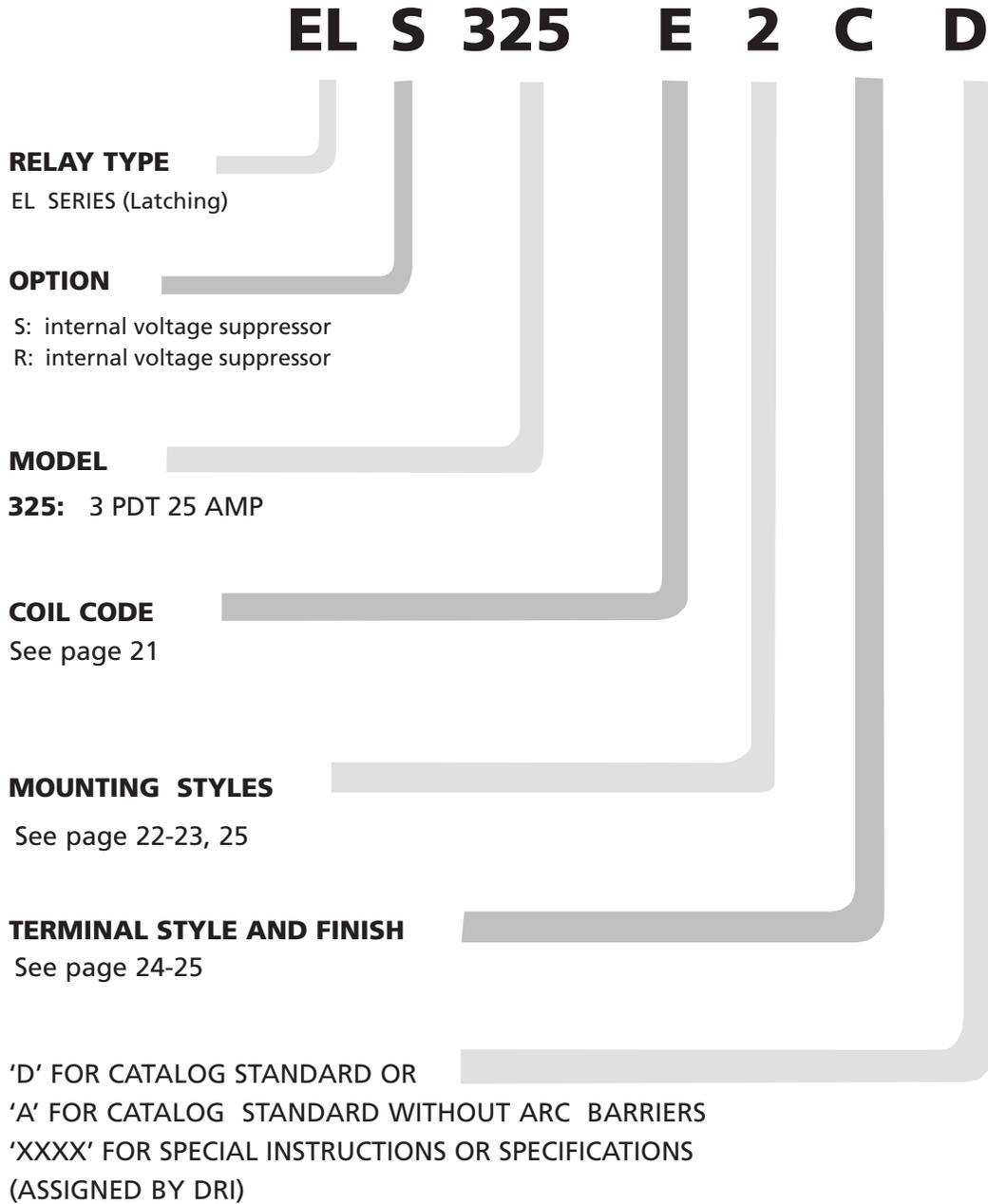
Operate time @ 25° C (Latch and Reset) with DC Coil	15 ms max.																																								
Bounce time	1 ms max.																																								
Mechanical Life	400,000 cycles																																								
Contact rating	<table border="1"> <thead> <tr> <th>Type of load (High level)</th> <th>Cycles x 10³</th> <th>28 Vdc</th> <th>115 Vac 400 Hz 1 phase</th> <th>115/200 Vac 400 Hz 3 phase</th> </tr> </thead> <tbody> <tr> <td>Resistive</td> <td>50</td> <td>25 amps</td> <td>25 amps</td> <td>25 amps</td> </tr> <tr> <td>Inductive</td> <td>10</td> <td>12 amps</td> <td>n/a</td> <td>n/a</td> </tr> <tr> <td>Inductive</td> <td>20</td> <td>n/a</td> <td>15 amps</td> <td>15 amps</td> </tr> <tr> <td>Motor</td> <td>50</td> <td>10 amps</td> <td>10 amps</td> <td>10 amps</td> </tr> <tr> <td>Lamp</td> <td>50</td> <td>5 amps</td> <td>5 amps</td> <td>5 amps</td> </tr> <tr> <td>Overload current</td> <td>n/a</td> <td>50 amps</td> <td>80 amps</td> <td>80 amps</td> </tr> <tr> <td>Rupture current</td> <td>n/a</td> <td>60 amps</td> <td>100 amps</td> <td>100 amps</td> </tr> </tbody> </table>	Type of load (High level)	Cycles x 10 ³	28 Vdc	115 Vac 400 Hz 1 phase	115/200 Vac 400 Hz 3 phase	Resistive	50	25 amps	25 amps	25 amps	Inductive	10	12 amps	n/a	n/a	Inductive	20	n/a	15 amps	15 amps	Motor	50	10 amps	10 amps	10 amps	Lamp	50	5 amps	5 amps	5 amps	Overload current	n/a	50 amps	80 amps	80 amps	Rupture current	n/a	60 amps	100 amps	100 amps
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Environmental characteristics

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

Electrical characteristics

Contact voltage drop (@ Rated resistive load)	150 mV Max.						
- Initial	150 mV Max.						
- After guaranteed life	175 mV Max.						
Dielectric strength @ sea level	<table border="1"> <thead> <tr> <th>Coil to Case</th> <th>All other points</th> </tr> </thead> <tbody> <tr> <td>1000 Vrms</td> <td>1250 Vrms</td> </tr> <tr> <td>1000 Vrms</td> <td>1000 Vrms</td> </tr> </tbody> </table>	Coil to Case	All other points	1000 Vrms	1250 Vrms	1000 Vrms	1000 Vrms
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1000 Vrms	1250 Vrms						
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- Initial @ 60Hz	1000 Vrms						
- After guaranteed life @ 60 Hz	1000 Vrms						
Insulation Resistance	100 Megohms min. @ 500 Vdc						
- Initial	100 Megohms min. @ 500 Vdc						
- After life tests	50 Megohms min. @ 500 Vdc						
Reference Military Specifications	MS27742						

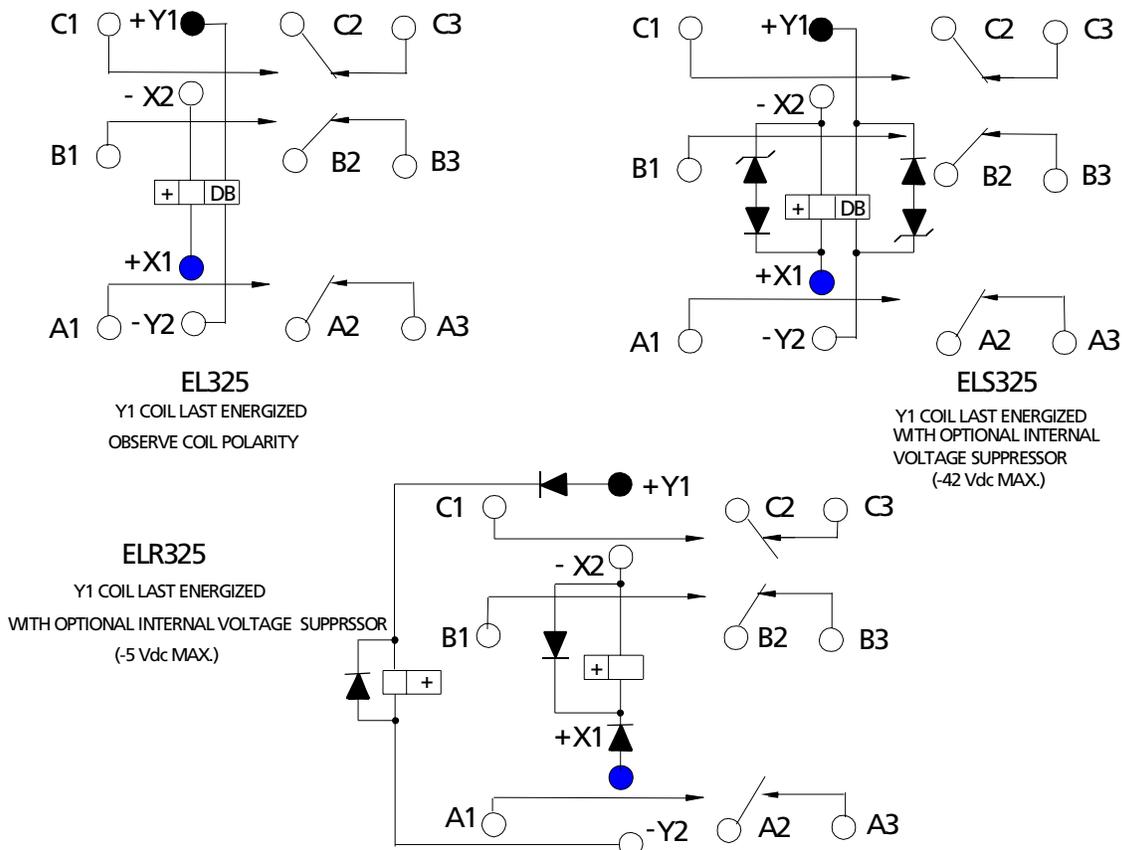


Coil characteristics

COIL CODE	DC						
	A	B	D	E	F	G	J
Nominal coil voltage	6	12	26,5	28	28	48	110
Maximum pick-up voltage at 25°C	3,5	6,5	13,5	14,5	14,5	24	55
Maximum pick-up voltage at 125°C	4,5	9	18	18,7	18,0	36	70
Coil resistance (ohms \pm 10% at 25° C)	15	60	280	300	450	1000	5000
Maximum coil transient suppression	SEE CIRCUIT DIAGRAM BELOW					-100	-180

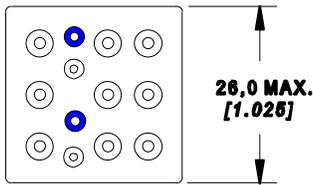
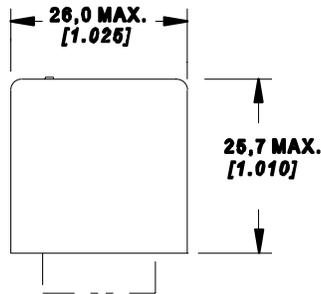
OTHER VOLTAGES AVAILABLE FROM FACTORY ON REQUEST

Circuit diagram

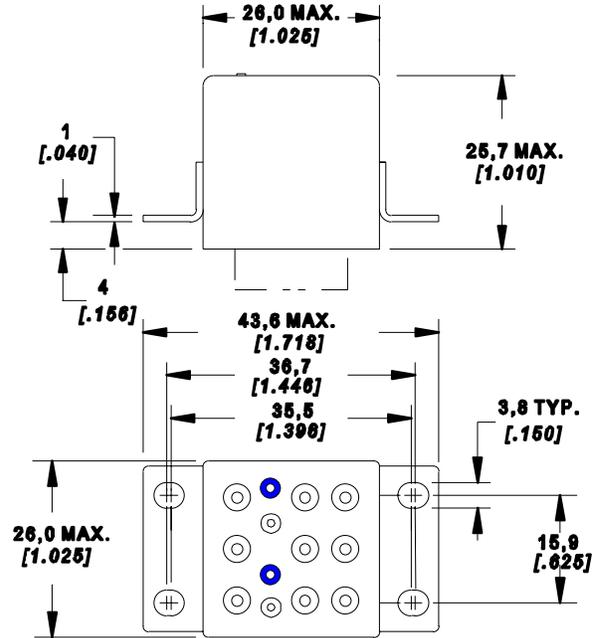


Mounting styles

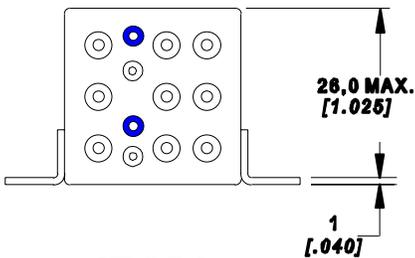
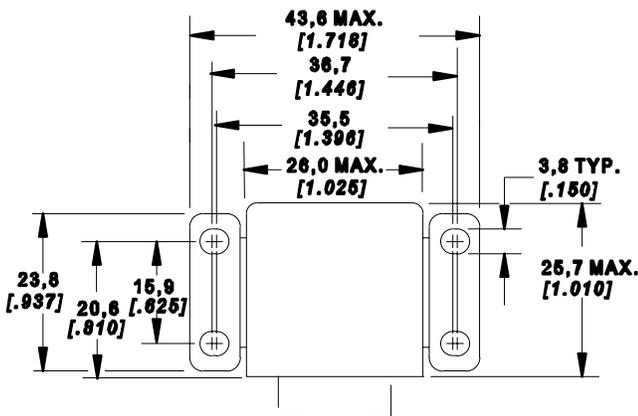
DIMENSIONS ARE IN MM (IN.)
UNLESS OTHERWISE SPECIFIED, TOLERANCE IS $\pm 0,25$ (.010)



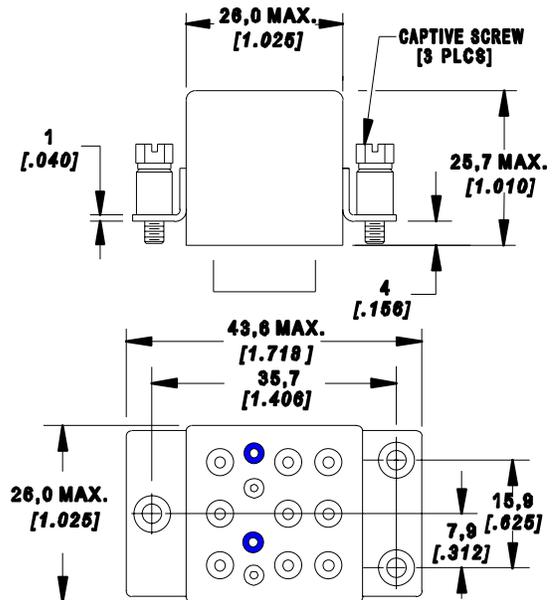
STYLE 1
NO MOUNT



STYLE 2
RAISED VERTICAL FLANGE MOUNT



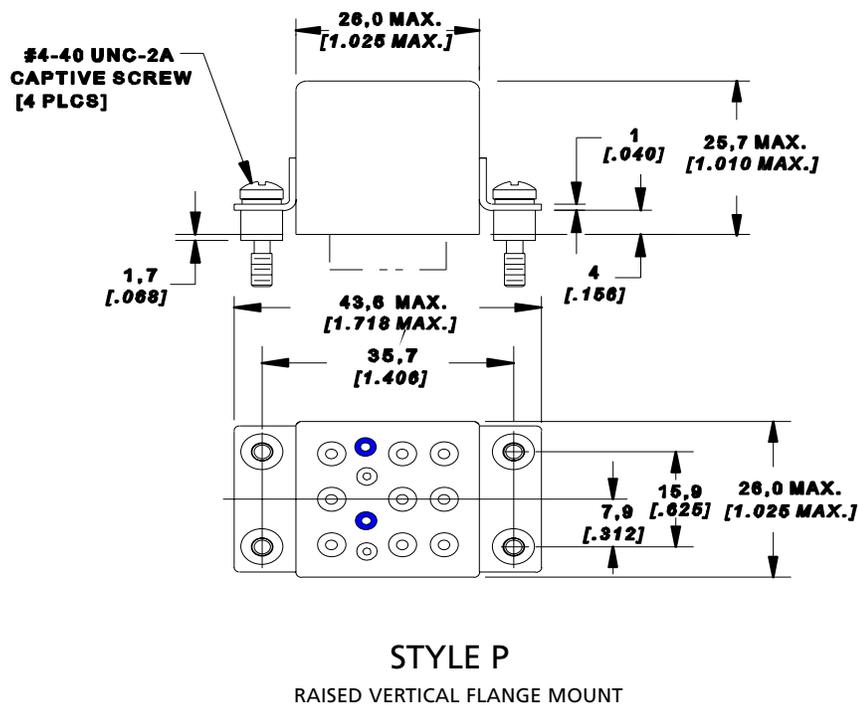
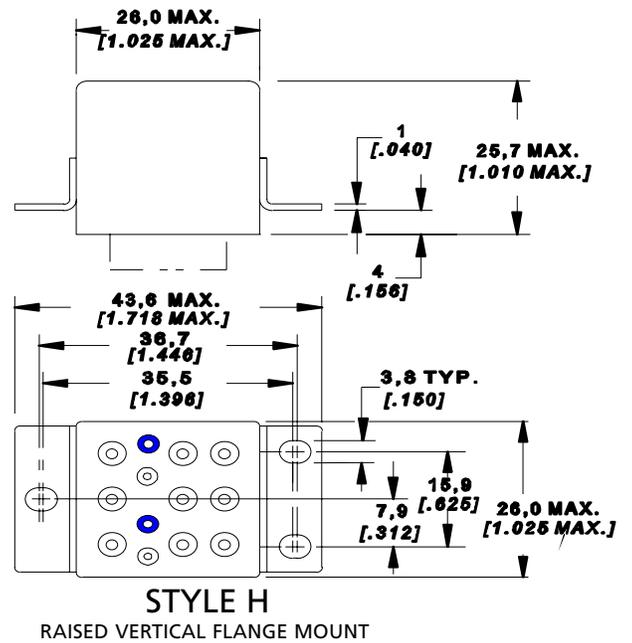
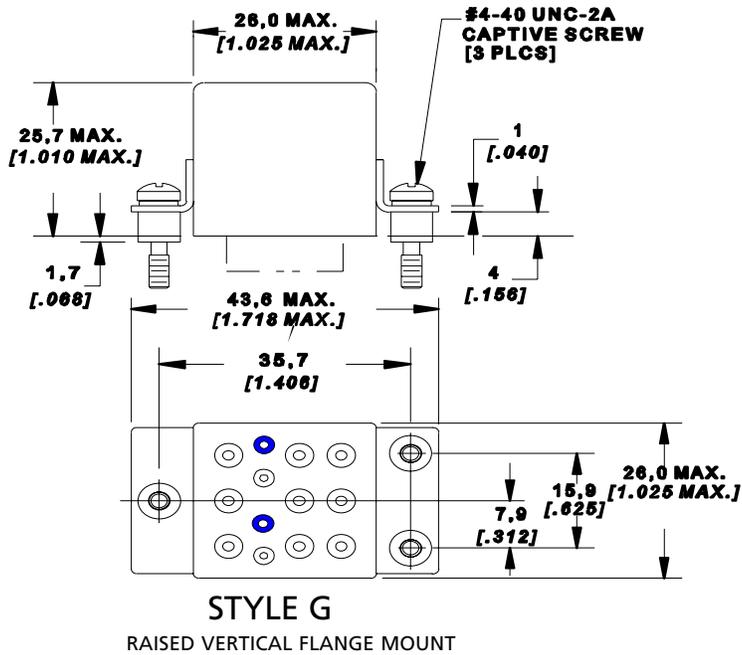
STYLE 3
HORIZONTAL FLANGE MOUNT



STYLE 8: M3 CAPTIVE SCREWS
STYLE C: #4-40 UNC CAPTIVE SCREWS
RAISED VERTICAL FLANGE MOUNT
WITH CAPTIVE HARDWARE

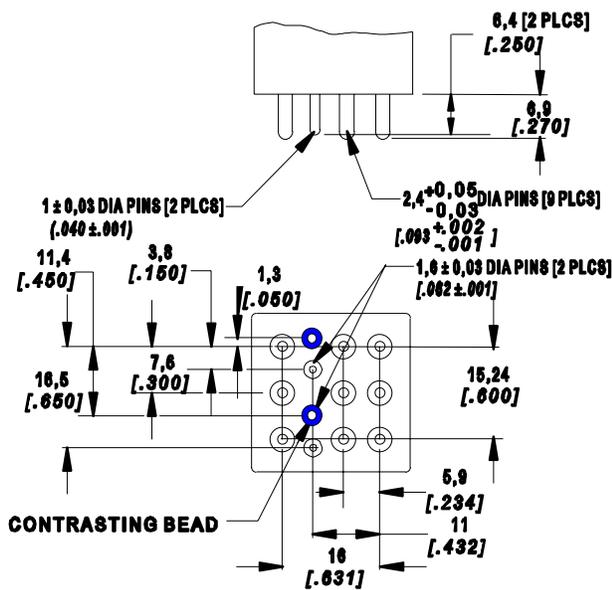
■ Mounting styles (cont.)

DIMENSIONS ARE IN MM (IN.)
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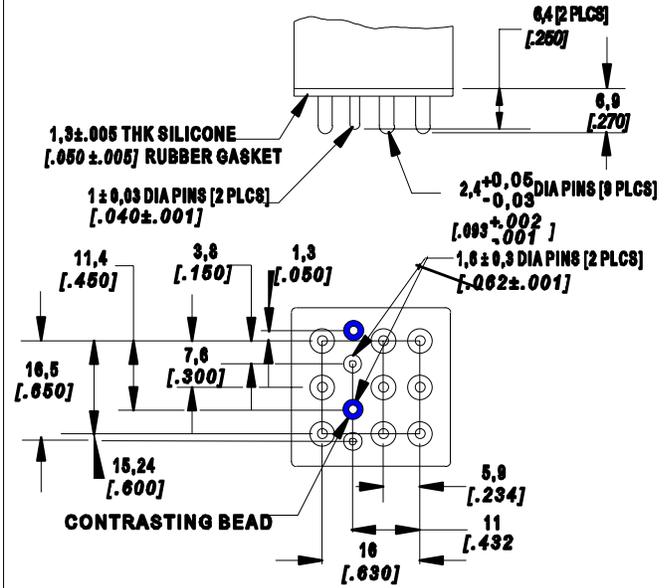
Termination styles

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SOLDER PIN

STYLE A: TIN PLATED
STYLE B: SOLDER DIPPED

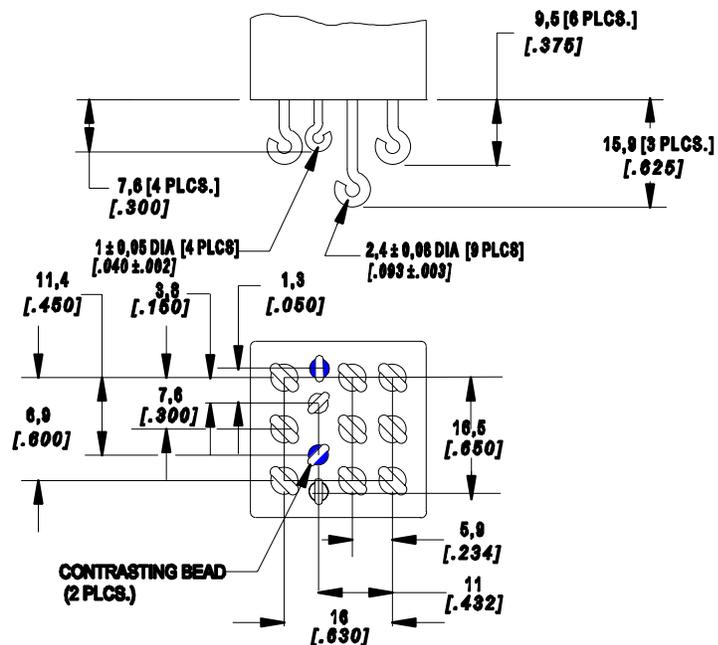


PLUG IN

STYLE C: GOLD PLATED

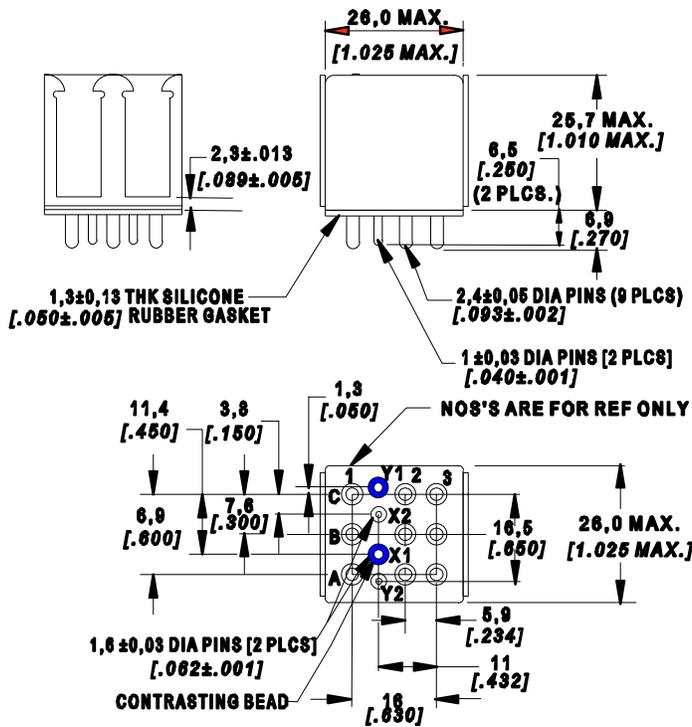
SOLDER HOOK

STYLE H: TIN PLATED
STYLE J: SOLDER DIPPED

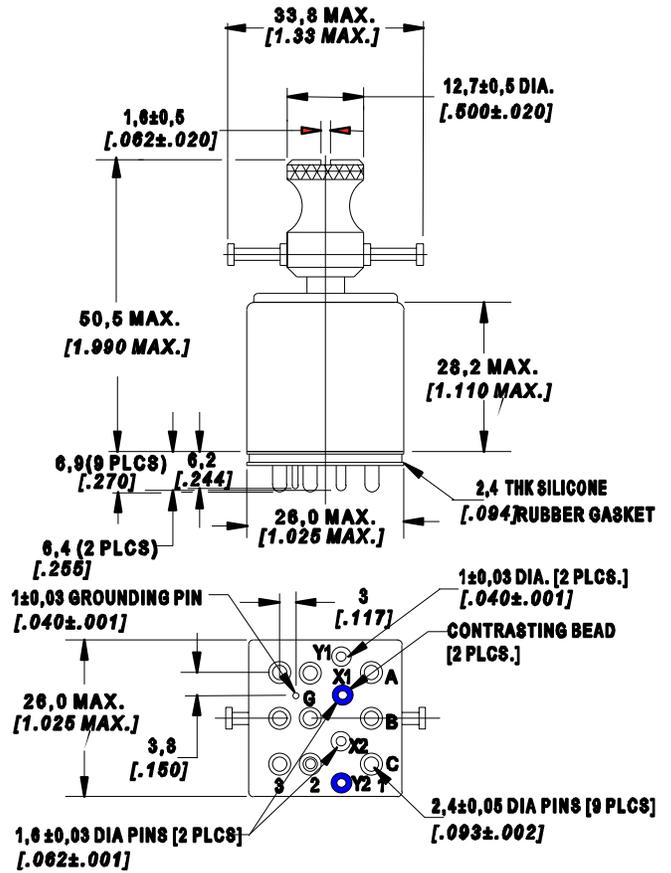


EL325 Track Mount Characteristics

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



TRACK MOUNT H
MOUNTING STYLE 6
TERMINAL STYLE C (GOLD PLATED)



GASKET NOT SHOWN IN THIS VIEW

TRACK MOUNT B
MOUNTING STYLE 5
TERMINAL STYLE C (GOLD PLATED)

THIS TRACK MOUNT RELAY TO BE USED WITH BRACKET ASSY AND TRACKS MEETING THE REQUIREMENTS OF MIL-R-12883.