# Index



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## Socket Features

The DRI Socket Series are engineered to provide the highest quality available. All of our sockets are designed in accordance with MIL-Specifications. The SLDE Snap Lock series is a unique design which allows for easy, FOD free panel mounting, while the BSE Track Mount Series allows for quick and easy FOD free track mounting. All of these sockets utilize MIL specified crimp socket terminals. Select your relay model from the chart below to see which socket series are available for your application.

	Socket Series					
Relay Model	SE SME SLDE BSE					
E205	Х		Х	Х		
ES205	Х		х	Х		
E405	Х		х	Х		
ES405	Х		х	Х		
E210	Х	х	х	Х		
E215	Х	х	х	Х		
ES210	Х	х	х	Х		
ES215	Х	х	Х	Х		
EA210	Х	Х	Х	Х		
EA215	Х	Х	Х	Х		
E310	Х					
ES310	Х					
E410	Х	х	Х	Х		
E415	Х	х	Х	Х		
ES410	Х	х	Х	Х		
ES415	Х	Х	Х	Х		
EA410	Х	Х	Х	Х		
EA415	Х	х	Х	Х		
E610	Х					
E615	Х					
ES610	Х					
ES615	Х					
EA610	Х					
EA615	Х					
E125		Х				
ES125		Х				
EA125		х				
E325	Х	х	Х	Х		
ES325	Х	Х	Х	Х		
EA325	Х	Х	Х	Х		

## . . . .



Relay Model	SE	SME	SLDE	BSE
EL210		х		Х
EL215		х		Х
ELS210		х		Х
ELS215		х		Х
EL410	Х	Х	Х	Х
EL415	Х	Х	Х	Х
ELS410	Х	х	х	Х
ELS415	Х	х	х	Х
ELR410	Х	х	х	Х
ELR415	Х	х	х	Х
EL325			х	
ELS325			Х	
EDL2	Х	х	Х	
EDLS2	Х	х	х	
REB210	Х	х	х	
REB410	Х	х	х	
REB325			х	
ED1	Х	х	х	
EDS1	Х	Х	Х	
EDA1	Х	х	Х	
ED2	Х	х	Х	
EDS2	Х	х	Х	
EDA2	Х	х	Х	
ED3	Х			
EDS3	Х			
EDA3	Х			
EM12	Х	Х	Х	
EMS12	Х	Х	Х	
EMA12	Х	Х	Х	
EM14	Х			
EMS14	Х			
EMA14	Х			
EM22	Х			
EMS22	Х			
EMA22	Х			

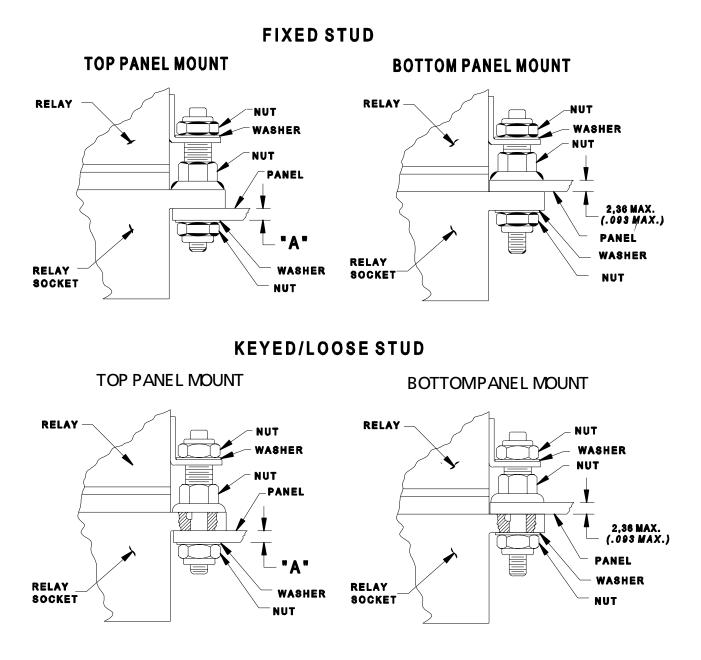
## **Socket Series**





GENERAL FEATURES OF SE AND SME SOCKETS				
Contact R es is tance	6 M Ohms			
Dielectric Withstanding Voltage	1500 Vrms Max. @ Sea Level 500 Vrms @ 80,000 Feet			
Insulation Resistance	1000 M Ohms Min.			
Mounting Hardware	Cadmium Plated or Stainless Steel			
Operating Temperature Range	-70° C to +125° C			
Sealing Grommet	Silicone Rubber			
Shock	200 g for 6ms			
S ocket C ontact Material	Gold Plated Copper Alloy			
Socket Contact Type	Clos ed Entry, Crimp Type Rear Entry, Rear Releas e			
Vibration Performance	30 g for 10 to 3000 Hz			



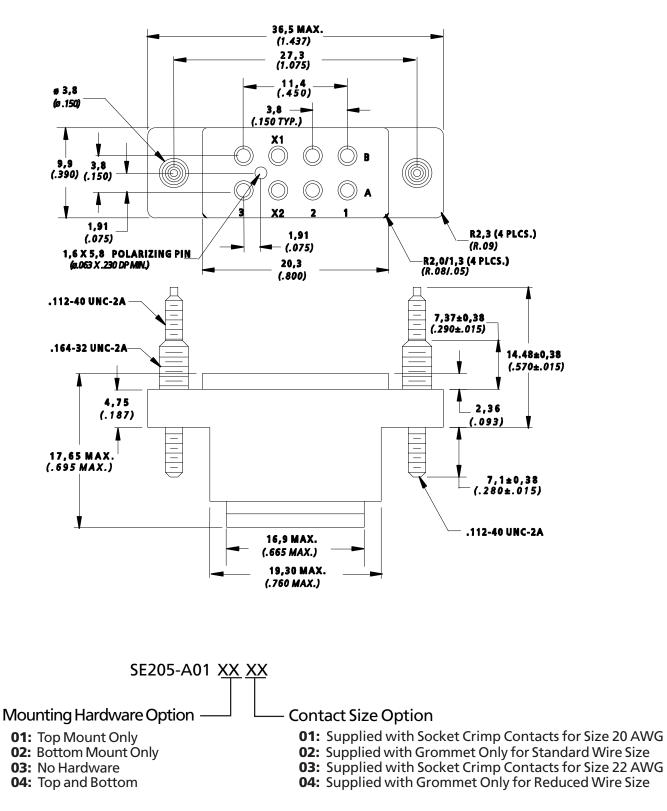


"A" Dimension for SE205, SE405, and SE310 is 2.36mm Max. (0.093") "A" Dimension for SE210, SE410, SE610, SE125, and SE325 is 3.18mm Max (0.125")



For use with E205 and ES205 Relays with Mounting Code 2 and Pin Code M

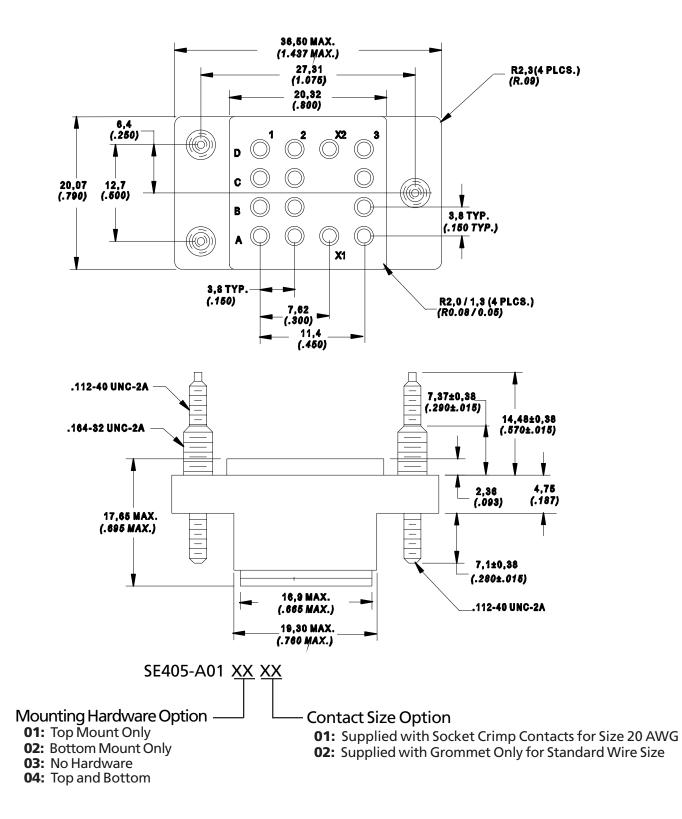
UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS



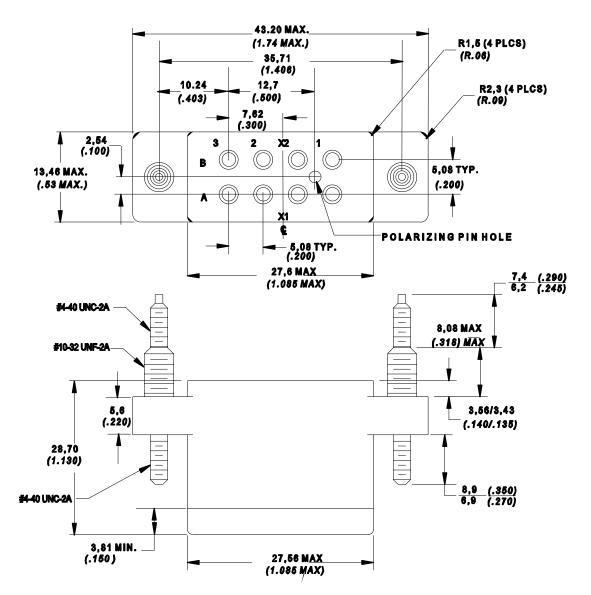


For use with E405 and ES405 Relays with Mounting Code 2 and Pin Code M

UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS







Mounting Stud Option

**01:** Fixed Stud (Recommended)

02: Keyed / Loose Stud

## Mounting Hardware Option

**01:** Top Mount Only

02: Bottom Mount Only

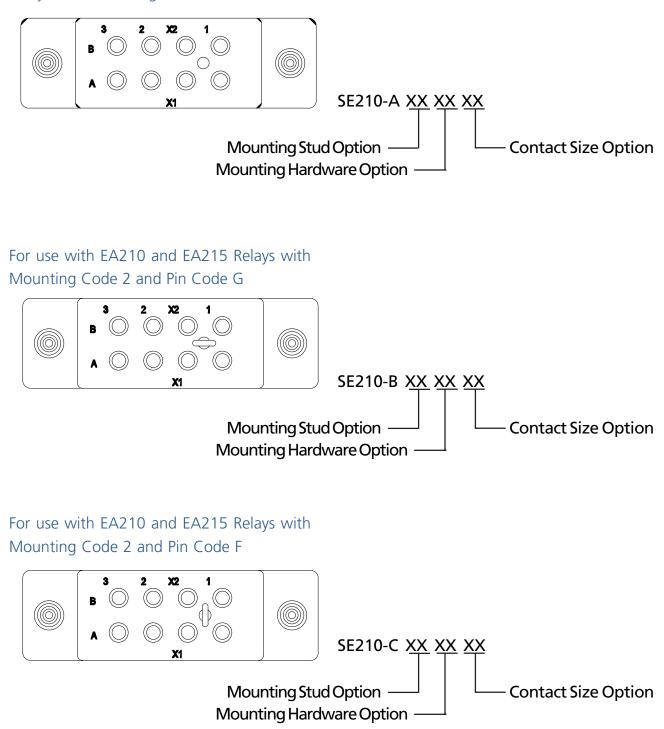
- **03:** No Hardware
- 04: Top and Bottom

#### **Contact Size Option**

- **01:** Supplied with Socket Crimp Contacts for Size 16 AWG **02:** Supplied with Grommet Only for Standard Wire Size
- 03: Supplied with Socket Crimp Contacts for Size 20 AWG
- 04: Supplied with Grommet Only for Reduced Wire Size



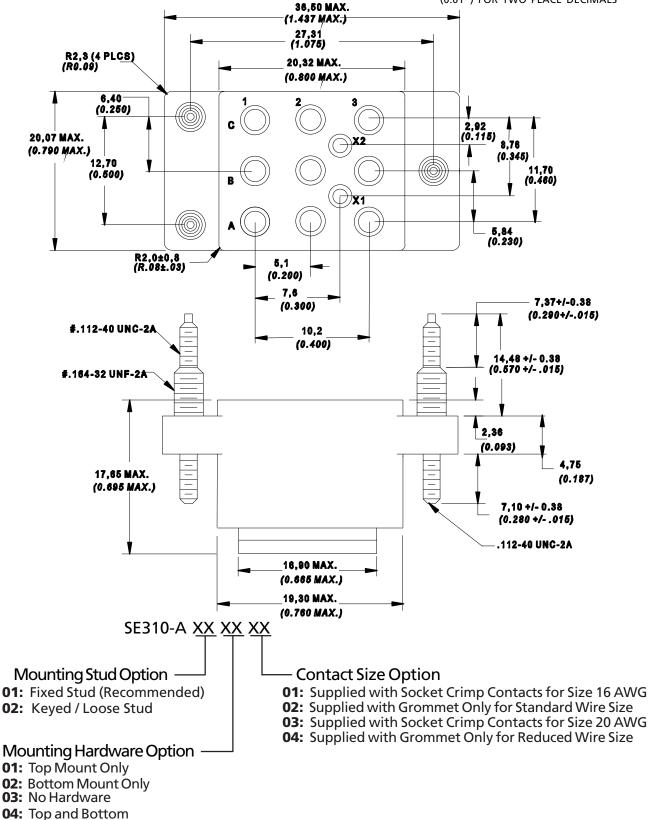
For use with E210, E215, ES210, ES215, ED1, EDS1, and EDA1 Relays with Mounting Code 2 and Pin Code M or C





For use with E310 and ES310 Relays with Mounting Code 2 and Pin Code M

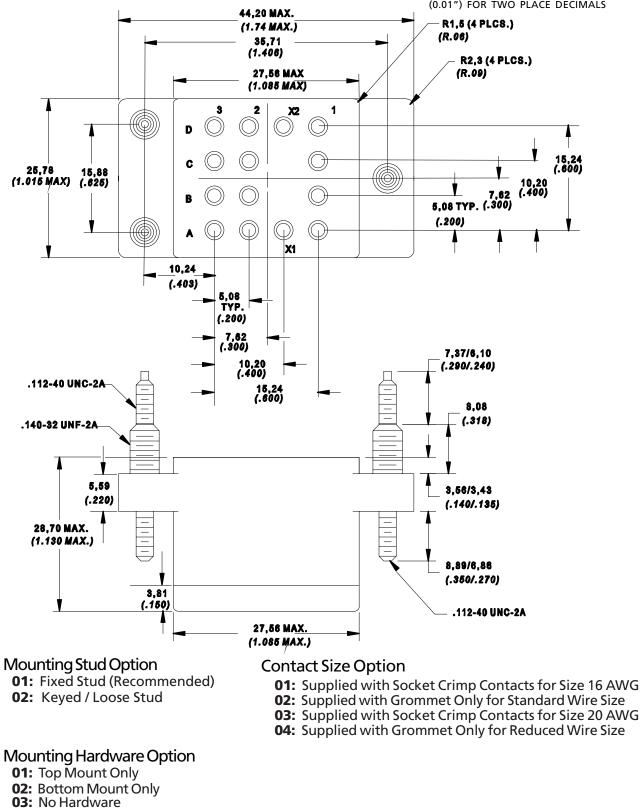
UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS





UNLESS OTHERWISE SPECIFIED,

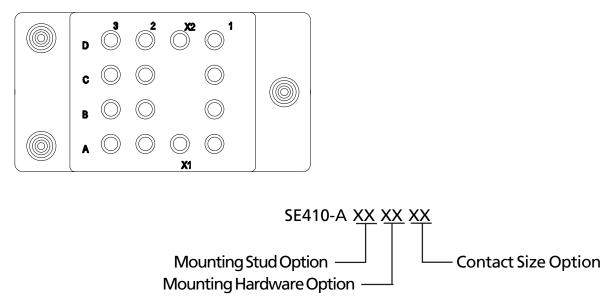
TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS



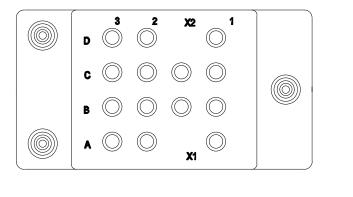
04: Top and Bottom

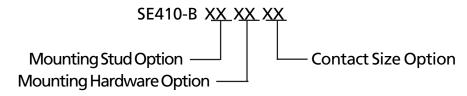


For use with E410, E415, ES410, ES415, ED2, and EDS2 Relays with Mounting Code 2 and Pin Code C



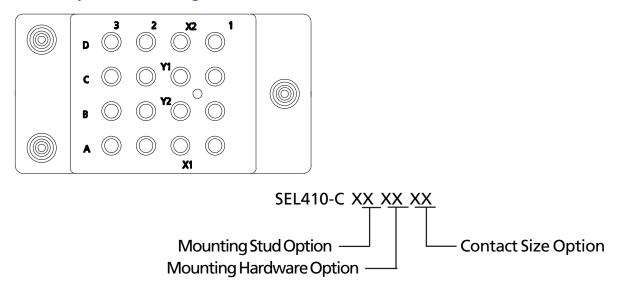
For use with EA410, EA415, EMA12, and EDA2 Relays with Mounting Code 2 and Pin Code K



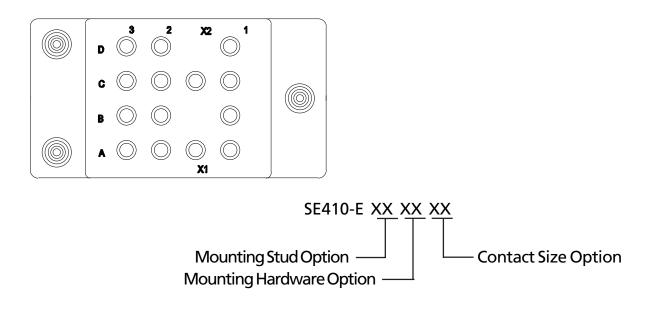




For use with EL410, EL415, ELS410, ELS415, ELR410, ELR415, EM12, EMS12, EDL2 and EDLS2 Relays with Mounting Code 2 and Pin Code M or C and REB210 and REB410 Relays with Mounting Code B

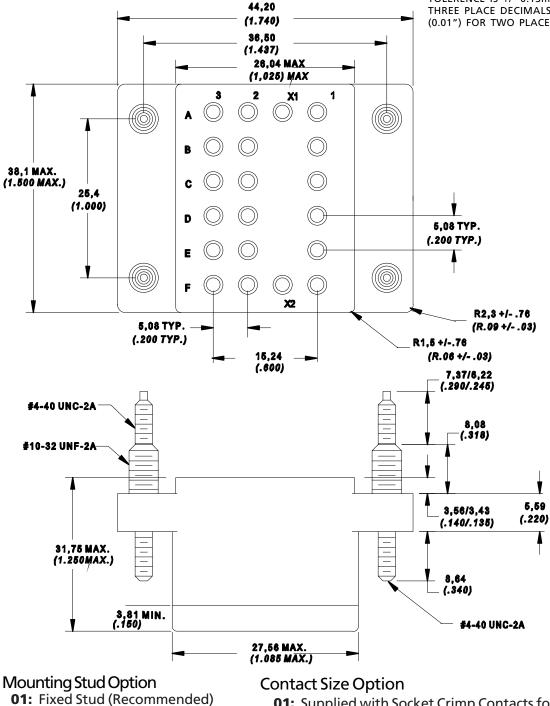


For use with EA410 and EA415 Relays with Mounting Code 2 and Pin Code T





UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS



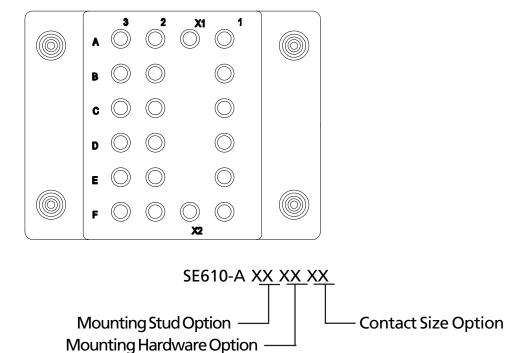
**01:** Fixed Stud (Recommended **02:** Keyed / Loose Stud **01:** Supplied with Socket Crimp Contacts for Size 16 AWG **02:** Supplied with Grommet Only for Standard Wire Size

## Mounting Hardware Option

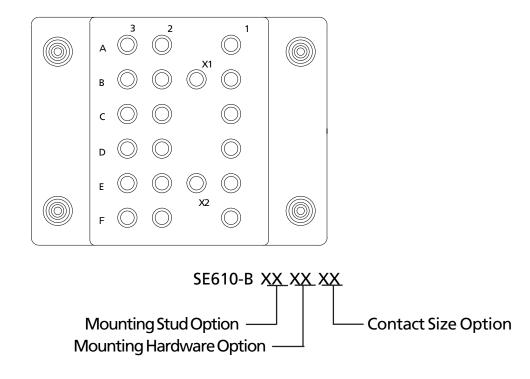
- 01: Top Mount Only
- 02: Bottom Mount Only
- **03:** No Hardware
- 04: Top and Bottom



For use with E610, E615, ES610, ES615, EM14, and EMS14 Relays with Mounting Code 2 and Pin Code C

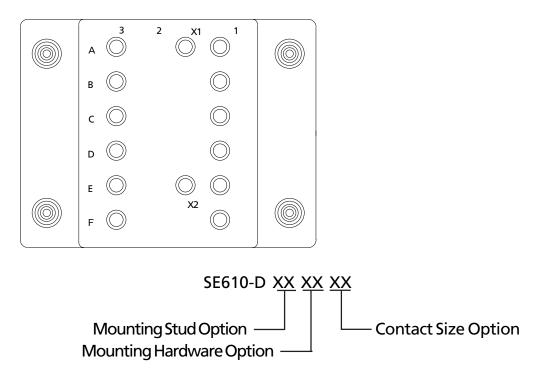


For use with EA610, EA615, EMA14, EMA22, and EDA3 Relays with Mounting Code 2 and Pin Code K

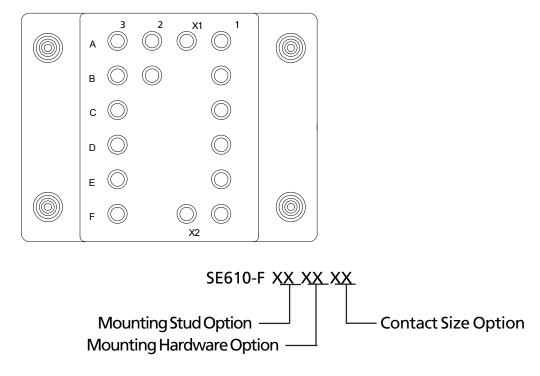




For use with ED3 and EDS3 Relays with Mounting Code 2 and Pin Code C

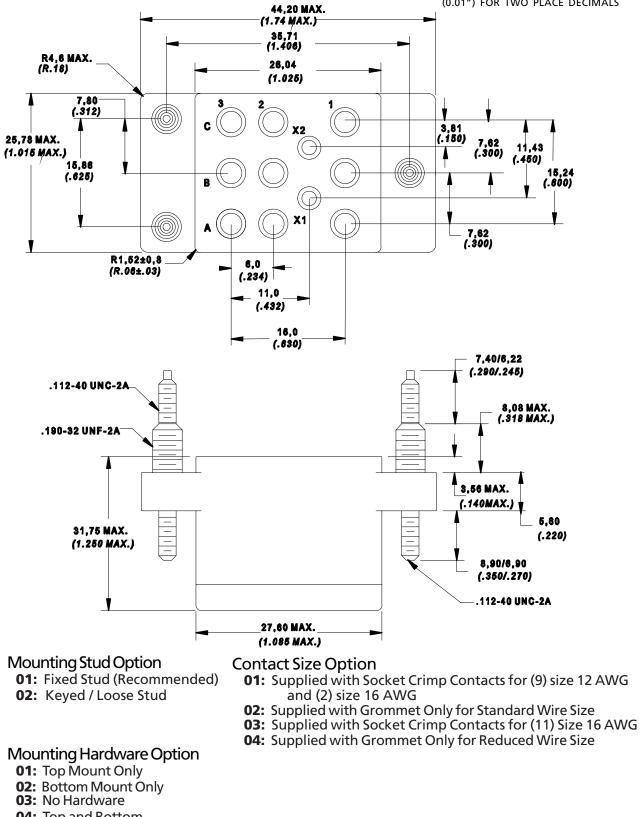


For use with EM22 and EMS22 Relays with Mounting Code 2 and Pin Code C





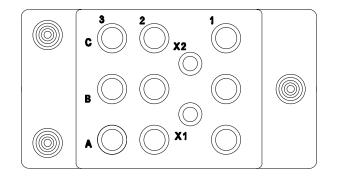
UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS

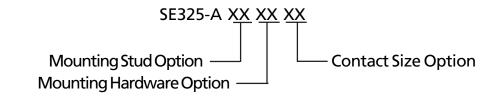


04: Top and Bottom

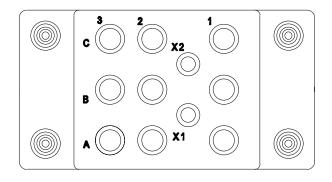


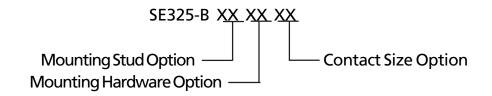
# For use with E325, ES325, and EA325 Relays with Mounting Code H and Pin Code C



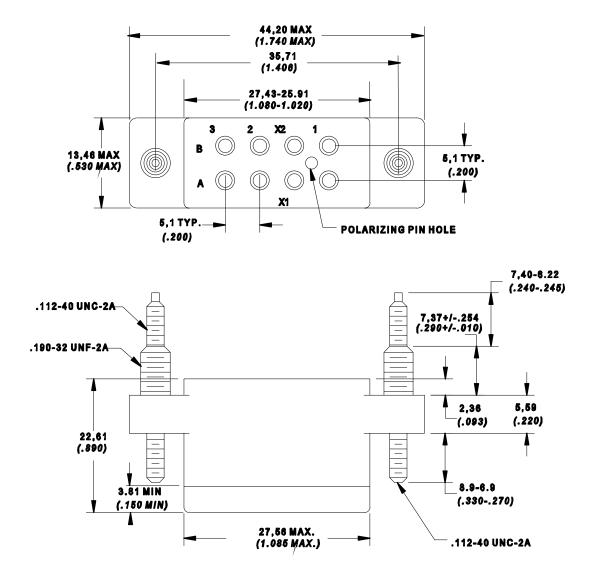


# For use with E325, ES325, and EA325 Relays with Mounting Code 2 and Pin Code C









Mounting Stud Option

01: Fixed Stud (Recommended)

02: Keyed / Loose Stud

#### **Contact Size Option**

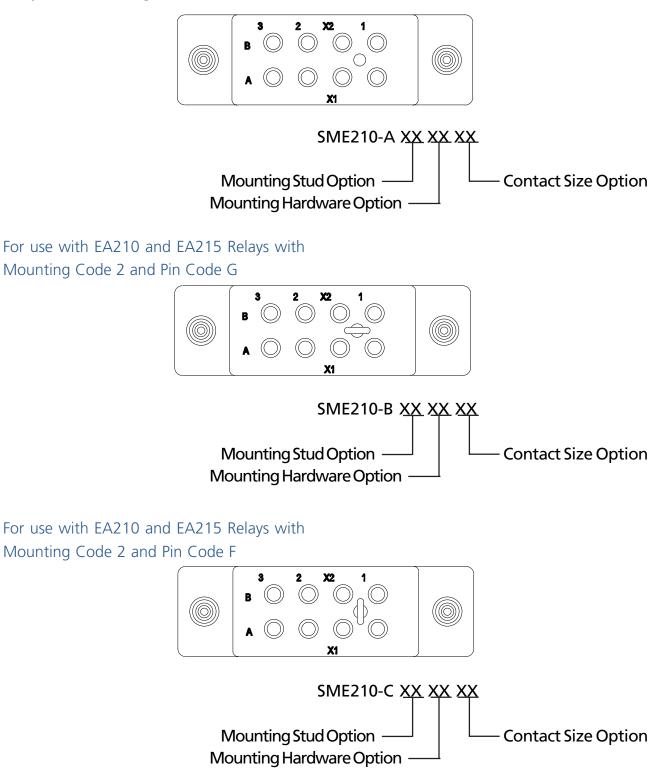
- 01: Supplied with Socket Crimp Contacts for Size 16 AWG
- **02:** Supplied with Grommet Only for Standard Wire Size
- 03: Supplied with Socket Crimp Contacts for Size 20 AWG
- 04: Supplied with Grommet Only for Reduced Wire Size

## Mounting Hardware Option

- 01: Top Mount Only
- 02: Bottom Mount Only
- **03:** No Hardware
- 04: Top and Bottom

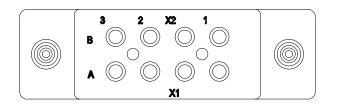


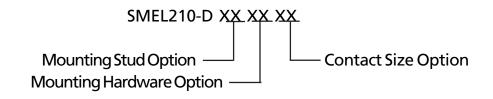
For use with E210, E215, ES210, ES215, ED1, EDS1, and EDA1 Relays with Mounting Code 2 and Pin Code M or C



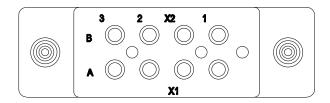


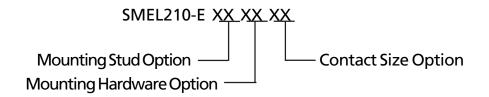
For use with EL210, EL215, ELS210, and ELS215 Relays with Mounting Code 2 and Pin Code K





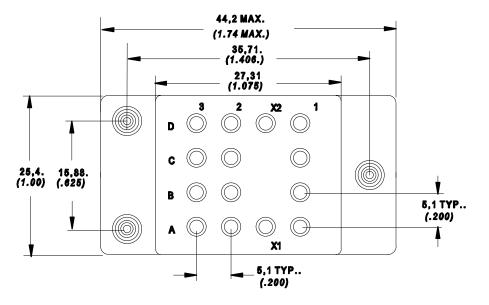
For use with EL210, EL215, ELS210, and ELS215 Relays with Mounting Code 2 and Pin Code M

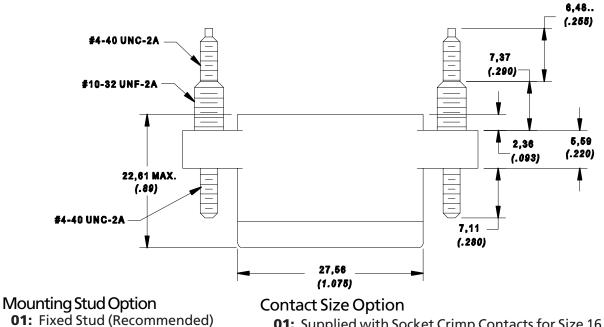






UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS





- 02: Keyed / Loose Stud
- **01:** Supplied with Socket Crimp Contacts for Size 16 AWG **02:** Supplied with Grommet Only for Standard Wire Size
- 03: Supplied with Socket Crimp Contacts for Size 20 AWG
- 04: Supplied with Grommet Only for Reduced Wire Size

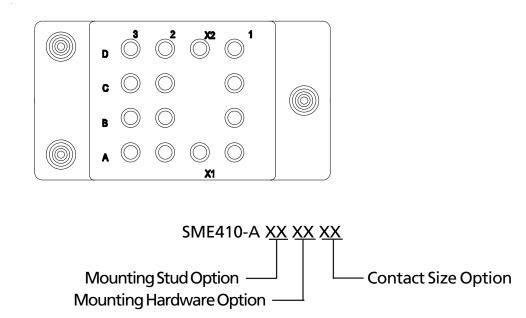
## Mounting Hardware Option

- **01:** Top Mount Only
- 02: Bottom Mount Only
- **03:** No Hardware
- 04: Top and Bottom

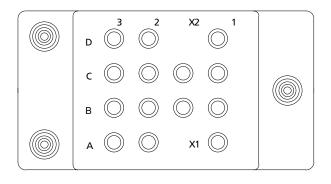


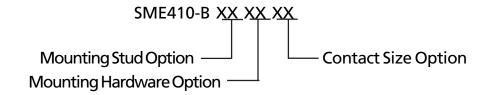


For use with E410, E415, ES410, ES415, ED2, and EDS2 Relays with Mounting Code 2 and Pin Code C



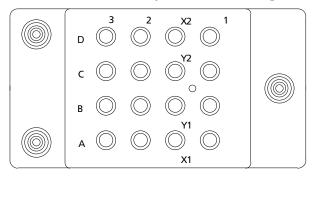
For use with EA410, EA415, EMA12, and EDA2 Relays with Mounting Code 2 and Pin Code K

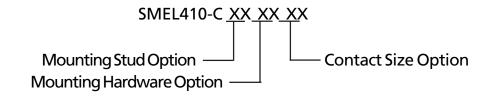




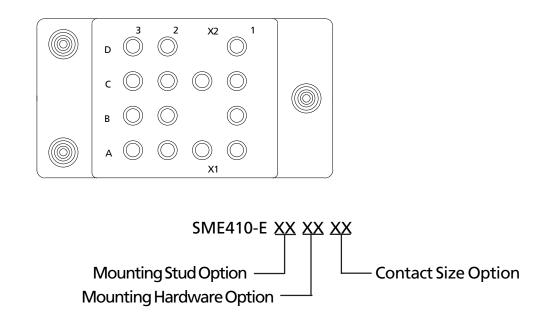


For use with EL410, EL415, ELS410, ELS415, ELR410, ELR415, EM12, EMS12, EDL2 and EDLS2 Relays with Mounting Code 2 and Pin Code M or C and REB210 and REB410 Relays with Mounting Code B





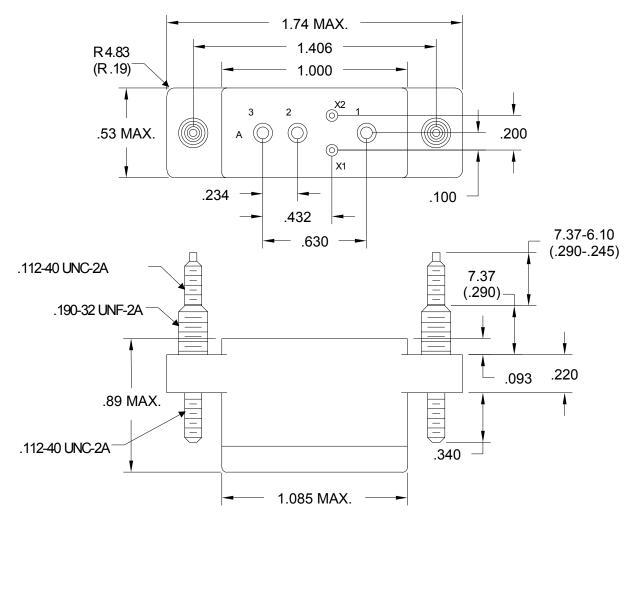
For use with EA410 and EA415 Relays with Mounting Code 2 and Pin Code T

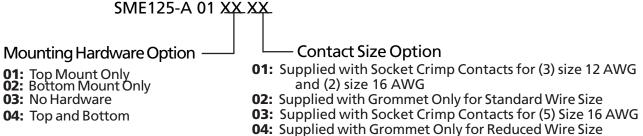


A COMPANY OF STPI GROUP

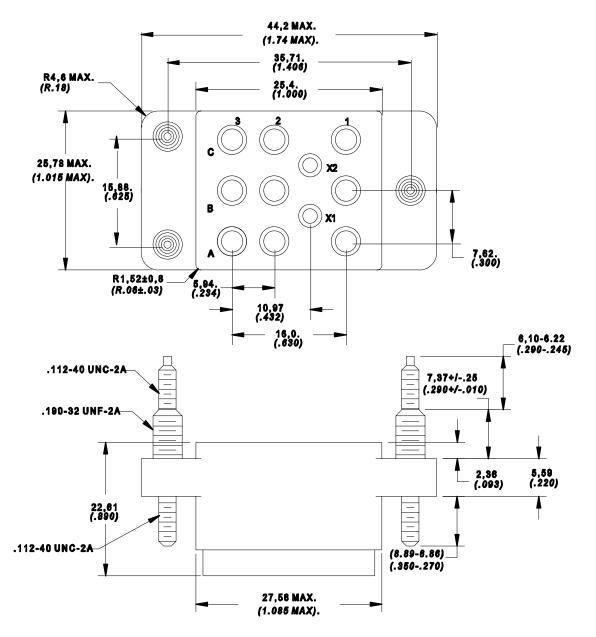
For use with E125, ES125, and EA125 Relays with Mounting Code 2 and Pin Code C

UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS









Mounting Stud Option

#### **01:** Fixed Stud (Recommended)

02: Keyed / Loose Stud

#### **Contact Size Option**

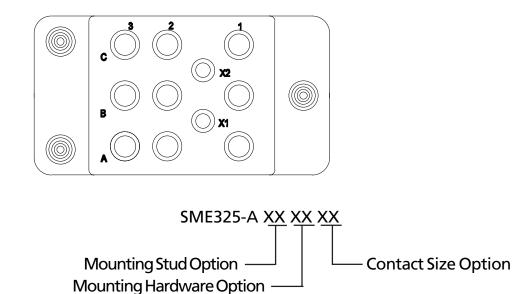
- 01: Supplied with Socket Crimp Contacts for (9) size 12 AWG and (2) size 16 AWG
- 02: Supplied with Grommet Only for Standard Wire Size
- 03: Supplied with Socket Crimp Contacts for (11) Size 16 AWG
- 04: Supplied with Grommet Only for Reduced Wire Size

## Mounting Hardware Option

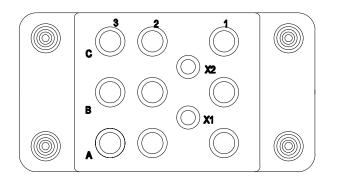
- 01: Top Mount Only
- 02: Bottom Mount Only
- **03:** No Hardware
- 04: Top and Bottom

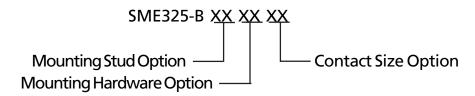


For use with E325, ES325, and EA325 Relays with Mounting Code H and Pin Code C



For use with E325, ES325, and EA325 Relays with Mounting Code 2 and Pin Code C









The SLDE Snap Lock series sockets are compatible with DRI "E" series 2 and 4 pole 5 Amp relays, 2, 3, and 4 pole 10 / 15 Amp relays, and 3 pole 25 Amp relays conforming to MIL-PRF-83536. We have engineered these sockets to allow for easy one sided access with no loose parts, saving on installation and replacement time, and significantly reducing if not eliminating the chance for FOD to develop. These sockets are for use with captive screw type relays, or for use with the available adapter kit.

Mechanical Data					
	SLDE205	SLDE405	SLDE210	SLDE410	SLDE325
	9 grams max	11 grams max	14 grams max	27 grams max	24 grams max
Weight (Without Contacts)	(0.020 lbs. max)	(0.024 lbs. max)	(0.031 lbs. max)	(0.059 lbs. max)	(0.053 lbs. max)
Material:		•			
Insulator:			Polyethermide		
Grommet:			Silicone Rubber		
Contacts:		MIL-C-3902	29 Copper Alloy, (	Gold Plated	
Contact Retainers:		Integra	al Dielectric Entra	pment	
Inertions and Removal Tool:			M18969/14-03		
Crimping Tool:			M22520/1-01		
Mouting Hardware:	Corrosion Resistant Finished Steel				
Installation Torque:	4 in-lbs. max for #4-40 UNC				
Adapter Kit (Optional):	Includes spacers, screws, and washers				

## **Electrical Data**

Current Rating:	5 Amps	5 Amps	10 / 15 Amps	10 / 15 Amps	25 Amps
Insulation Resistance @ 25 C and 65% RH			1000 M ohms min		
Dielectric Withstanding Voltage:					
@ Sea Level:			1500 Vrms		
@ 80,000 ft.:			500 Vrms		

## **Environmental Data**

Operating Temperature Range:	-70 C to +125 C
Vibration:	MIL-STD-202, Method 204, Condition G
Shock:	MIL-STD-202, Method 213, Condition C
	20 Hours Immersed in Aircraft Lubricating Oil, MIL-L-7808,
Fluid Immersion:	and Hydraulic Fluid, MIL-H-5606

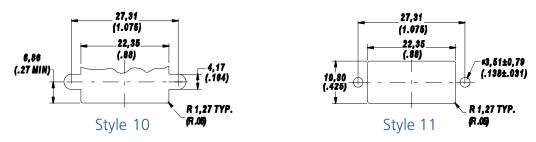


## Adapter Kit

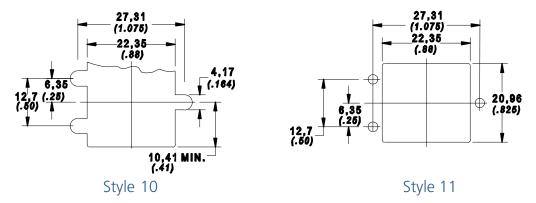


The adapter kit will allow a relay with Raised Vertical Flange Mount brackets to mount to the Snap Lock socket without further modification. The kit comes with the correct number of screws, lockwashers, and spacers to mount the relay.

### Panel Mounting Styles



For SLDE205 and SLDE210, Style 10 requires notches for the mounting holes, while Style 11 makes use of only the mounting holes. Panel thickness should not exceed 1.63 mm (0.064'')

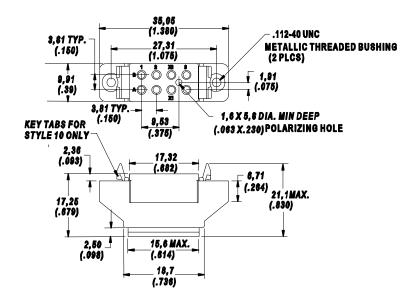


For SLDE405 and SLDE410, and SLDE325, Style 10 requires notches for the mounting holes, while Style 11 makes use of only the mounting holes. Panel thickness should not exceed 1.63 mm (0.064'')

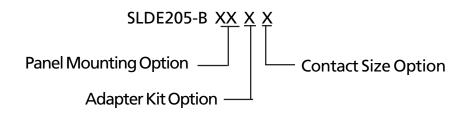
## SLDE Series SLDE205



UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS



For use with E205 and ES205 Relays with Mounting Code 2 (Adapter Kit required) or G and Pin Code M



Panel Mounting Option 10: See Page 30 11: See Page 30

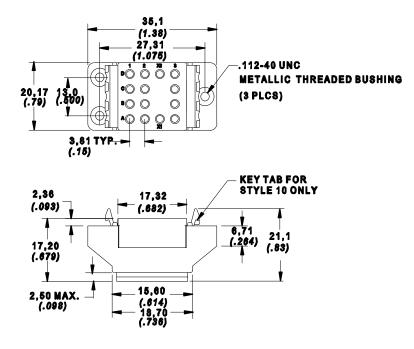
Contact Size Option

**0:** Supplied without Contacts

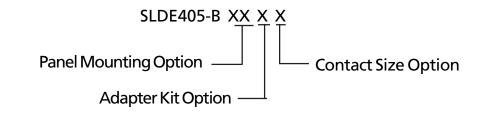
1: Supplied with Contacts for 20 AWG wire

Adapter Kit Option A: Kit Not Included B: Kit Included





For use with E405 and ES405 Relays with Mounting Code 2 (Adapter Kit required) or G and Pin Code M



Panel Mounting Option 10: See Page 30 11: See Page 30 Contact Size Option

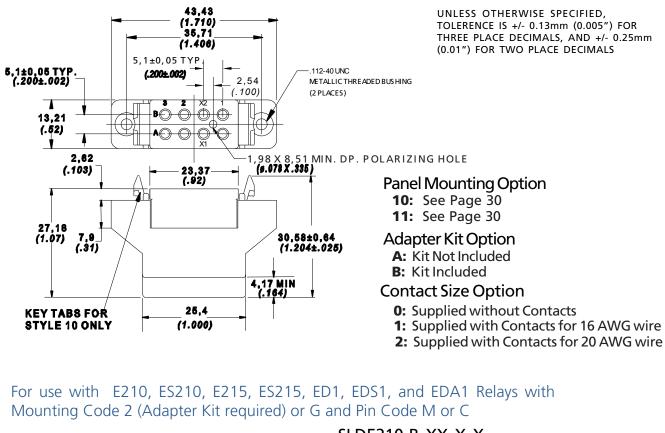
**0:** Supplied without Contacts

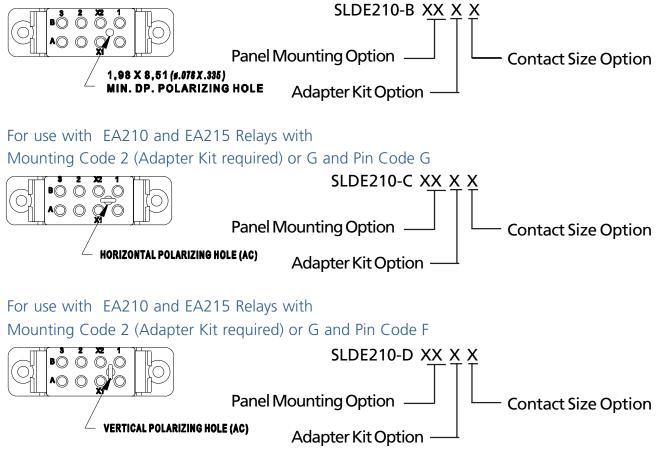
1: Supplied with Contacts for 20 AWG wire

Adapter Kit Option A: Kit Not Included B: Kit Included

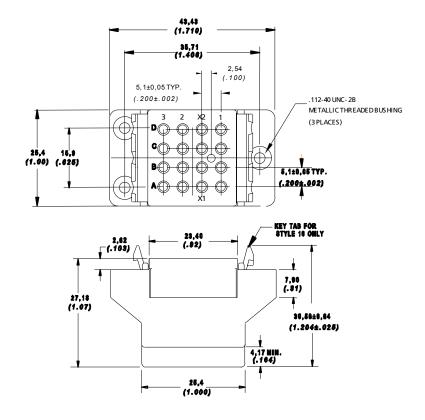
# SLDE Series SLDE210











Panel Mounting Option 10: See Page 30 **11:** See Page 30

## Adapter Kit Option A: Kit Not Included

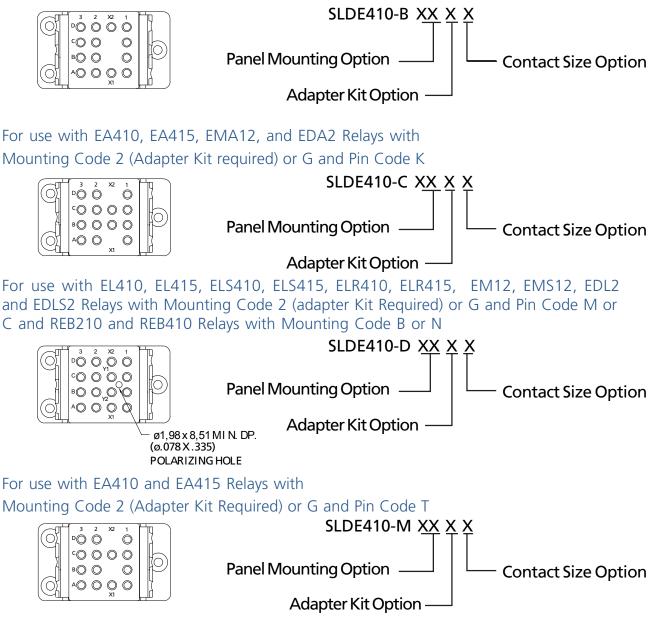
B: Kit Included

### **Contact Size Option**

1: Supplied with Contacts for 16 AWG wire 2: Supplied with Contacts for 20 AWG wire



For use with E410, E415, ES410, ES415, ED2, and EDS2 Relays with Mounting Code 2 (Adapter Kit Required) or G and Pin Code C



## SLDE Series SLDE325 43,43 (1.710)

6.0 (.234)

2,62 [(.103)

15,9 (.625)

28,70 (1.13)

25,4 (1.00)

35,71

(1.400)

16,0 (.630) 11.0 (.432)

23,40 (.92)



UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm METALLIC THREADED BUSHING (3 PLCS. = STYLE B & D ) (4 PLCS. = STYLE C) (0.01") FOR TWO PLACE DECIMALS

## Panel Mounting Option

- 10: See Page 30
- 11: See Page 30

Adapter Kit Option A: Kit Not Included B: Kit Included

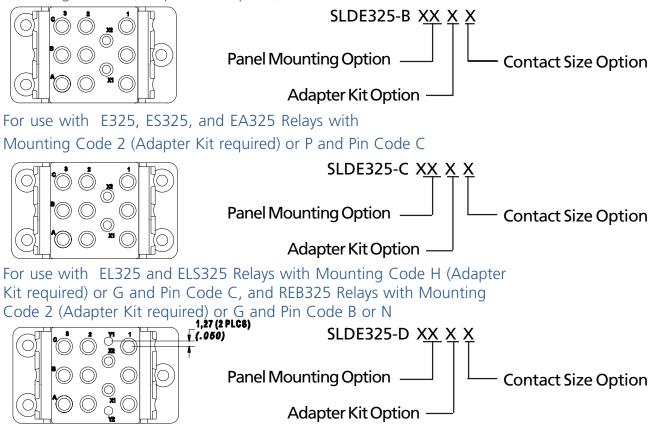
#### **Contact Size Option**

- 0: Supplied without Contacts
- 1: Supplied with Contacts for (9) size 12 AWG and (2) size 16 AWG Code
- D has (4) size 16 AWG contact)
- 2: Supplied with Contacts for (11) Size 16 AWG (Code D has (13) size 16 AWG contacts)

For use with E325, ES325, and EA325 Relays with

27,31 (1.075)

Mounting Code H (Adapter Kit required) or G and Pin Code C



112-40 UNC -2B

7,62 (.300) 11,43 15,24 (.450) (.600)

**KEY TAB FOR STYLE 10 ONLY** 

32,21

(1.268)

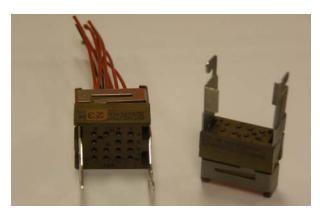
- 3,81 (.150)

7,90 (.31)

5,84

(.23)





The BSE Track Mount series sockets are compatible with DRI "E" series 2 and 4 pole 5 Amp relays, 2 and 4 pole 10 / 15 Amp relays, and 3 pole 25 Amp relays conforming to MIL-PRF-12883. We have engineered these sockets to allow for easy mounting on a "B" Track with no loose parts, saving on installation and replacement time, and significantly reducing if not eliminating the chance for FOD to develop. These sockets are for use with Track Mount type relays.

## **Materials Data**

Body	Thermoplastic		
Bracket:	17-7 ph cres		
Plating:	Sulfamate Nickel		
Grommet:	Silicone Rubber		
Minimum Holding Force When			
Assembled to Track:	3 Lbs. (13.34 N)		
Γ	M 39029/57-357		
Type of Contacts:	M39029/57-358		

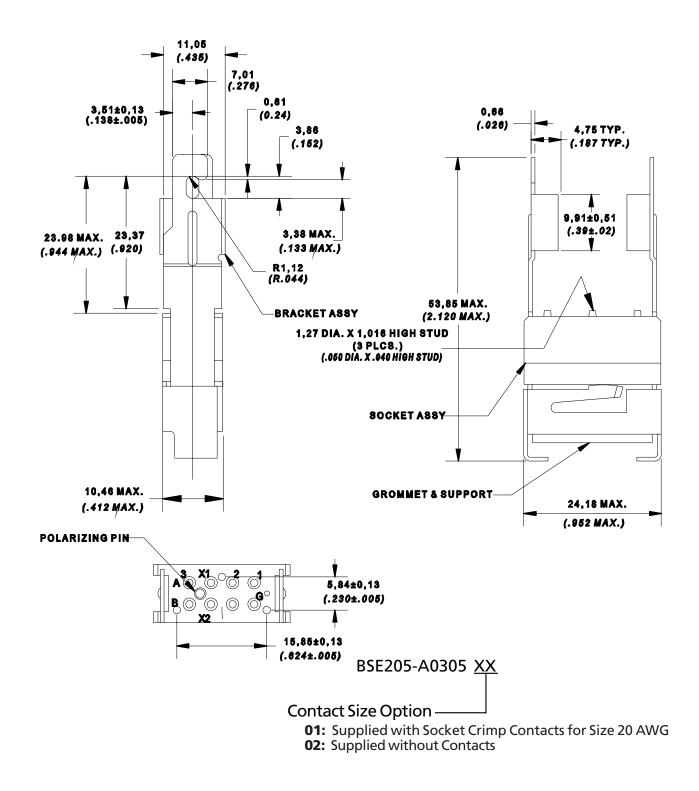
#### **Environmental Data**

Operating Temperature Range:	-70 C to +125 C
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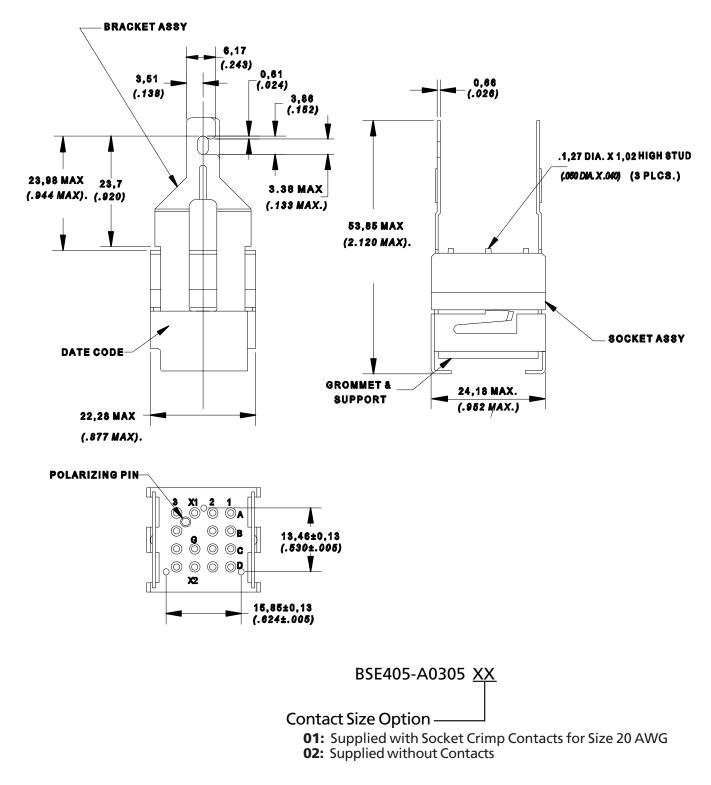
UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS

For use with E205 and ES205 Relays with Mounting Code 5 and Pin Code M

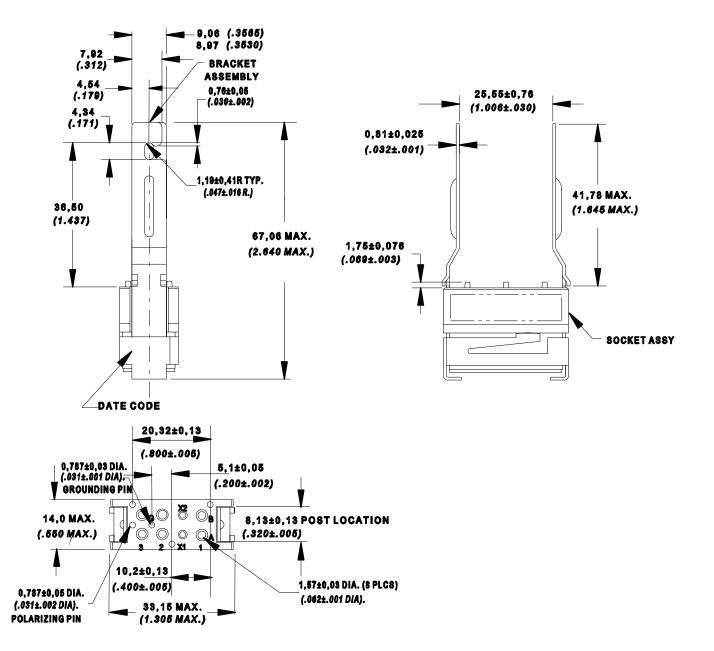




For use with E405 and ES405 Relays with Mounting Code 5 and Pin Code M









For use with E210, E215, ES210, and ES215 Relays with Mounting Code 4 and Pin Code M

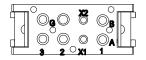
$$\begin{array}{c|c} & & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\$$

BSE210-A0305 XX

Contact Size Option -

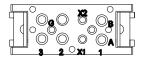
**01:** Supplied with Socket Crimp Contacts for Size 16 AWG **02:** Supplied without Contacts

For use with EA210 and EA215 Relays with Mounting Code 4 and Pin Code M



BSE210-B0305 XX

For use with EL210, EL215, ELS210, and ELS215 Relays with Mounting Code 4 and Pin Code M

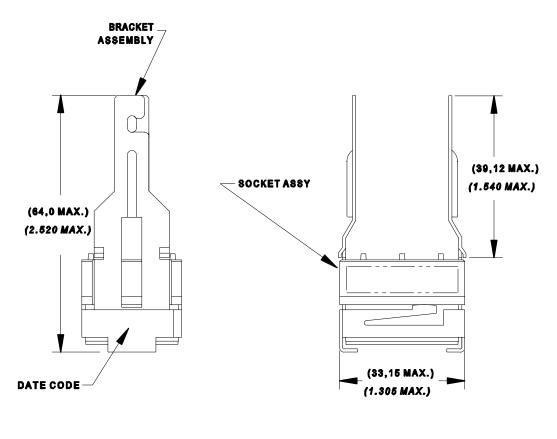


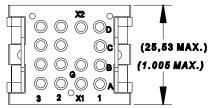
BSEL210-C0305 XX

Contact Size Option —

- 01: Supplied with Socket Crimp Contacts for Size 16 AWG
- 02: Supplied without Contacts



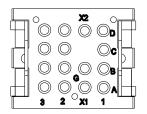




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For use with E410, E415, ES410, and ES415 Relays with Mounting Code 4 and Pin Code M

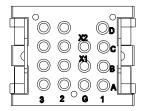


## BSE410-A0305 XX

Contact Size Option —

- 01: Supplied with Socket Crimp Contacts for Size 16 AWG
- 02: Supplied without Contacts

For use with EA410 and EA415 Relays with Mounting Code 4 and Pin Code K

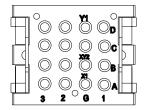


BSE410-B0305 XX

Contact Size Option —

**01:** Supplied with Socket Crimp Contacts for Size 16 AWG **02:** Supplied without Contacts

For use with EL410, EL415, ELS410, ELS415, ELR410, and ELR415 Relays with Mounting Code 4 and Pin Code M



BSEL410-C0305 XX

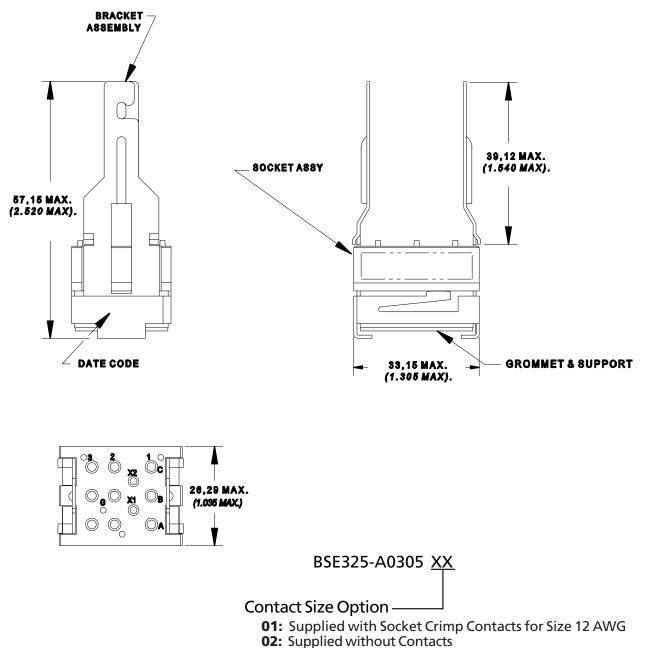
Contact Size Option ——

- 01: Supplied with Socket Crimp Contacts for Size 16 AWG
- **02:** Supplied without Contacts



For use with E325, EA325, and ES325 Relays with Mounting Code 5 and Pin Code C

UNLESS OTHERWISE SPECIFIED, TOLERENCE IS +/- 0.13mm (0.005") FOR THREE PLACE DECIMALS, AND +/- 0.25mm (0.01") FOR TWO PLACE DECIMALS

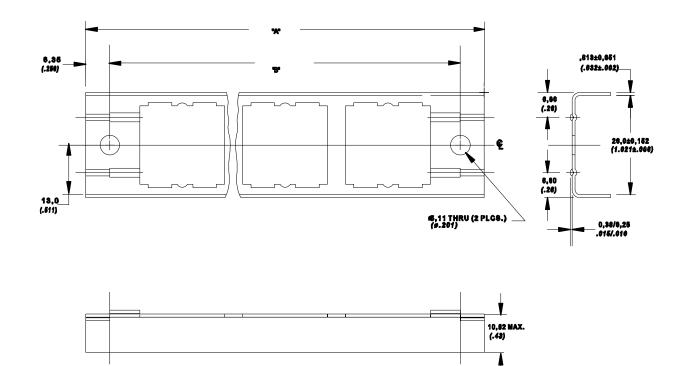






The ''B" Track series are compatible with DRI BSE series sockets for 2 and 4 pole 5 Amp relays conforming to MIL-PRF-12883/49. We have engineered these tracks to allow for easy mounting of a BSE Socket and Relay assembly with no loose parts, saving on installation and replacement time, and significantly reducing if not eliminating the chance for FOD to develop. Standard tracks have from one to five cutouts, with each one accomodating up to two 2 pole relays or a single 4 pole relay. Standard track material is type 302 Stainless Steel.

NO. OF CUTOUTS	: DIM"A"	DIM"B"	DEUTSCHP/N
1	51,1 (2.010)	38,6 (1.510)	2211-6
2	78,3 (3.082)	65,6 (2.582)	2211-7
3	105,5 (4.154)	92,8 (3.654)	2211-8
4	132,7 (5.226)	120,0 (4.726)	2211-9
5	160,0 (6.298)	147,3 (5.798)	2211-10





The "B" Track series are compatible with DRI BSE series sockets for 2 and 4 pole 10 and 15 Amp relays and 3 pole 25 Amp relays, conforming to MIL-PRF-12883/49. We have engineered these tracks to allow for easy mounting of a BSE Socket and Relay assembly with no loose parts, saving on installation and replacement time, and significantly reducing if not eliminating the chance for FOD to develop. Standard tracks have from one to six cutouts, with each one accomodating up to two 2 pole relays or a single 3 or 4 pole relay. Standard track material is type 302 Stainless Steel.

NO. OF CUTOUTS	: DIM"A"	DIM"B"	DEUTSCHP/N
1	6,35 (2.50)	51,0 (2.00)	2210-15
2	97,54 (3.84)	87,12 (3.43)	2210-16
3	131,83 (5.19)	119,05 (4.687)	2210-17
4	165,86 (6.53)	153,20 (6.031)	2211-18
5	199,90 (7.87)	187,33 (7.375)	2210-19
6	234,20 (9.22)	221,44 (8.718)	2210-20

