

FEATURES

- Solder lug terminals with .093" x .062" (2.36mm x 1.57mm) wiring holes.
- Two-contact "Jones" connector is round, all others are rectangular.
- For use in cable-to-panel and cable-to-cable applications.
- Designed for light and medium duty.
- Plug prongs are .156" (3.96mm) wide and .047" (1.19mm) thick.
- Polarized to prevent wrong-way insertion.
- Plugs have projecting flat blades, sockets have recessed twin bellows.
- Cable clamps of zinc and clear irridite-plated steel used for strain relief.
- UL Recognized-file E170218 (UL 1977), E130965 (UL1863).
- CSA-LR31996.
- See Panel Cutout dimension on page (2-38).

MATERIALS

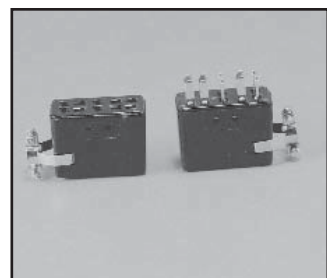
Insulation Material: Molded monoblock, general purpose phenolic, black UL94V-1

Contact Material: Plug: Brass
Socket: Phosphor bronze

Contact Plating: Cadmium

Operating Temperature: Up to +105°C

Hood Material: UL 94V-0 rated thermoplastic



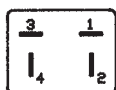
ELECTRICAL

Operating Voltage: 250 VAC RMS maximum
Current Rating: 10 Amps
Contact Resistance: 16 Milliohms maximum

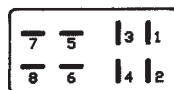
Polarizing Patterns - 300 Series



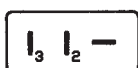
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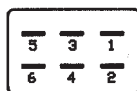
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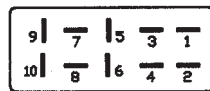
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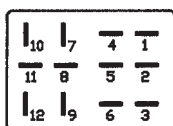
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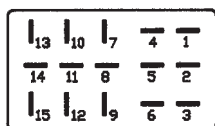
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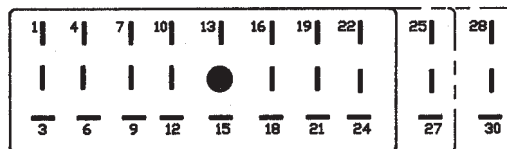
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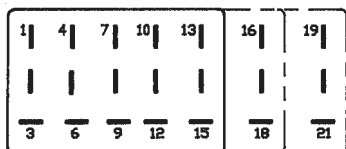
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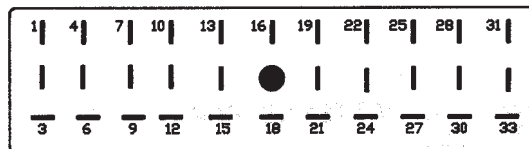
315-12



324,327,330



315,318,321

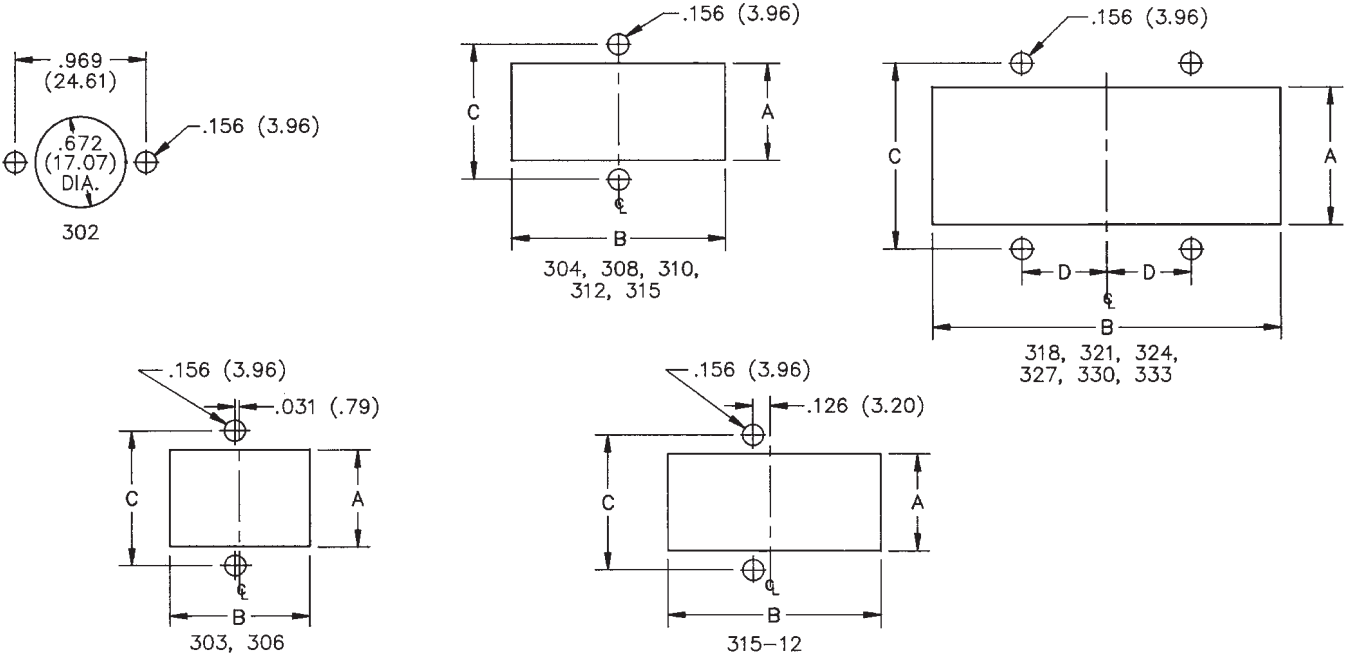


333

Mounting Dimensions

Reference	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
303	.453	11.51	1.016	25.81	.750	19.05	-	-
304	.719	18.26	.781	19.84	1.000	25.40	-	-
306	.719	18.26	1.031	26.19	1.000	25.40	-	-
308	.719	18.26	1.281	32.54	1.000	25.40	-	-
310	.719	18.26	1.578	40.08	1.000	25.40	-	-
312	.953	24.21	1.266	32.16	1.250	31.75	-	-
315-12	.953	24.21	1.516	38.51	1.250	31.75	-	-
315	1.016	25.81	1.641	41.68	1.375	34.93	-	-
318	1.016	25.81	1.953	49.61	1.375	34.93	.625	15.88
321	1.016	25.81	2.266	57.56	1.375	34.93	.469	11.91
324	1.016	25.81	2.578	65.48	1.375	34.93	.625	15.88
327	1.016	25.81	2.891	73.43	1.375	34.93	.781	19.84
330	1.016	25.81	3.203	81.36	1.375	34.93	.938	23.83
333	1.016	25.81	3.516	89.31	1.375	34.93	1.094	27.79

NOTE: For 300 Series 2 through 33 contact angle bracket connectors. All mounting holes are .156" (3.96mm) dia. Maximum chassis thickness is .063" (1.59mm) for bottom mounting. Mounting holes are located on center line unless otherwise shown.

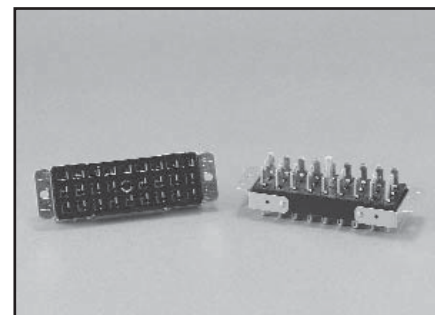


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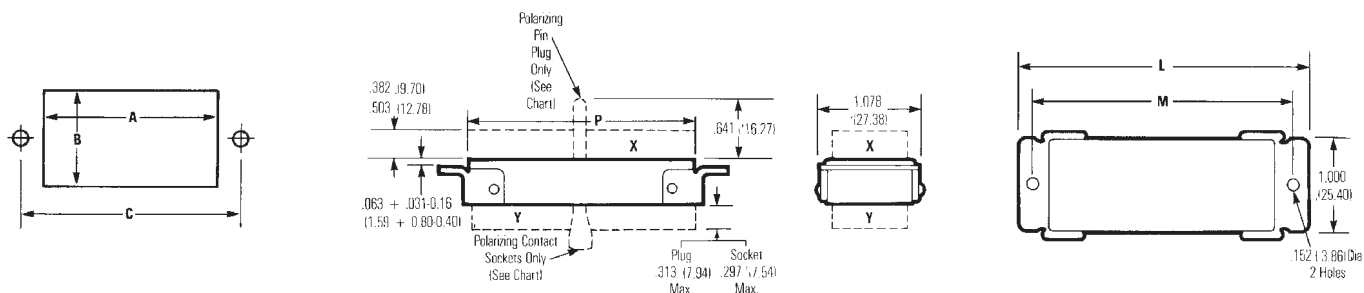
300 Series with End Brackets (EB)

No. of Contacts	Catalog No. Plug	Catalog No. Socket
15	P-315-EB	S-315-EB
18	P-318-EB	S-318-EB
21	P-321-EB	S-321-EB
24	P-324-EB	S-324-EB
28	P-328-EB	S-328-EB
30	P-330-EB	S-330-EB
33	P-333-EB	S-333-EB

NOTE: Not available in contact sizes 2-12.



X = length of plug contacts. This dimension does not apply to sockets.
Y = length of plug or socket tails.



Dimensions

No. of Contacts	L ±.031 (.79mm)		M ±.031 (.79mm)		P ±.063 (1.59mm)		Polarizing Pin
15	2.313	58.75	2.000	50.80	1.625	41.28	NO
18	2.625	66.68	2.313	58.75	1.938	49.23	NO
21	2.938	74.63	2.625	66.68	2.250	57.15	NO
24	3.250	82.55	2.938	74.63	2.563	65.10	14
27	3.563	90.50	3.250	82.55	2.875	73.03	14
30	3.875	98.43	3.563	90.50	3.188	80.98	14
33	4.188	106.38	3.875	98.43	3.500	88.90	17

Panel Cutout Dimensions

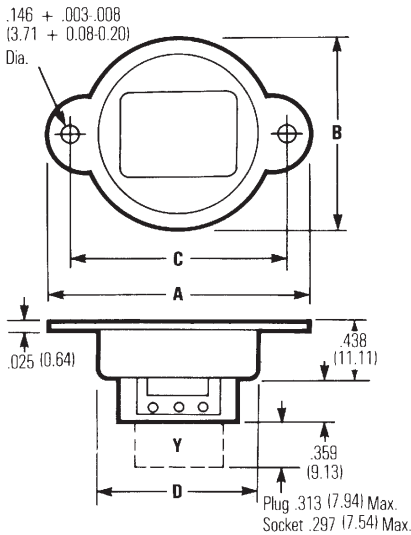
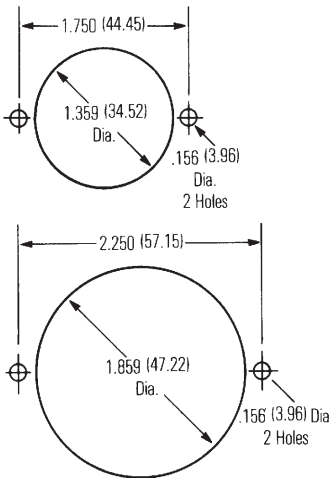
Reference	A		B		C	
	in	mm	in	mm	in	mm
315-EB	1.641	41.68	1.016	25.81	2.000	50.80
318-EB	1.953	49.61	1.016	25.81	2.313	58.75
321-EB	2.266	57.56	1.016	25.81	2.625	66.68
324-EB	2.578	65.48	1.016	25.81	2.938	74.63
327-EB	2.891	73.43	1.016	25.81	3.250	82.55
330-EB	3.203	81.36	1.016	25.81	3.563	90.50
333-EB	3.516	89.31	1.016	25.81	3.875	98.43

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300 Series with Recessed Plate (RP)

No. of Contacts	Catalog No. Plug	Catalog No. Socket
2	P-302-RP	S-302-RP
3	P-303-RP	S-303-RP
4	P-304-RP	S-304-RP
6	P-306-RP	S-306-RP
8	N/A	N/A
10	P-310-RP	N/A
12	P-312-RP	N/A

NOTE: Not available in contact sizes 15-33.



Y = length of plug or socket tails.

Dimensions

No. of Contacts	A		B		C		D Max.	
	in	mm	in	mm	in	mm	in	mm
2	2.063	52.40	1.500	38.10	1.750	44.45	1.350	34.29
3	2.063	52.40	1.500	38.10	1.750	44.45	1.350	34.29
4	2.063	52.40	1.500	38.10	1.750	44.45	1.350	34.29
6	2.063	52.40	1.500	38.10	1.750	44.45	1.350	34.29
8	--	--	--	--	--	--	--	--
10	2.563	65.10	2.000	50.80	2.250	57.15	1.850	46.99
12	2.563	65.10	2.000	50.80	2.250	57.15	1.850	46.99

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JONES PLUGS AND SOCKETS 300 SERIES MATING CHART

PLUGS

MOUNTING CONFIG.	AB	DB	FP	RP	EB	SB	CCE	CCT	CCT-L	CCT-K	LAB
AB	•*		•*		•*	•*	•	•			•
DB								•			•
FP	•*		•*		•*		•	•			•
RP							•	•			•
EB	•*		•*		•*		•	•			•
SB	•*				•*	•*	•	•			•
CCE	•		•	•	•	•	•	•			•
CCT	•	•	•	•	•	•	•	•			•
CCT-L										•	
CCT-K									•		
LAB	•	•	•	•	•	•	•	•	•	•	•

- These are recommended configurations.
- * These are possible configurations, but not normally recommended.

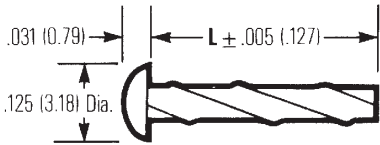
NOTE: Cinch layout S315-12 is available only in “AB” or “LAB”.

Replacement Drive Pins for Series 300 Plugs and Sockets with Cable Caps and Clamps

Dimensions

No. of Contacts	Dim. L		No. of Contacts	Catalog No.
	+ .005 (.13mm) in	mm		
2	.687	17.45	2	302R
3	.468	11.89	3	303R
4,6,8,10*	.718	18.24	4,6,8,10*	304R
12	.953	28.58	12	312R
15-33*	1.125	28.58	15-33*	333R

*10 contact size and 15 through 33 contact sizes require two pins per unit; all other sizes require only one.



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