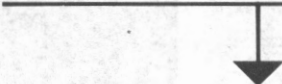


BEAU PLUG – SOCKET



How to Order

PX00		00/P or S ¹ Bracket or Cover (Flex Mounting)	
			
			
Series	No. Poles	Bracket	
PX00 Standard Plug or Socket	02-33	AB Angle Bracket.	
PG * With Pre-grounding pins		ABT Angle Bracket Tapped.	
* Check with Sales Department before ordering.		DB Deep Bracket.	
		EB End Bracket.	
		EBT End Bracket Tapped.	
		FP Flat Plate.	
		LAB Less Angle Bracket.	
		RP Recessed Plate.	
		SB Shallow Bracket.	
		SCC Snap C-Clip.	
		Covers (Cable Mounting)	
		BBS Blank Back Shell.	
		CCE Cable Clamp End.	
		CCT Cable Clamp Top.	
		FHE Flared Hole End.	
		FHT Flared Hole Top.	

EXAMPLE

PX3302/P/CCT Plug to mate with socket **PX3302/S/AB** = 2 Pole flex plug with cable clamp top and mating socket with angle bracket.

N.B.

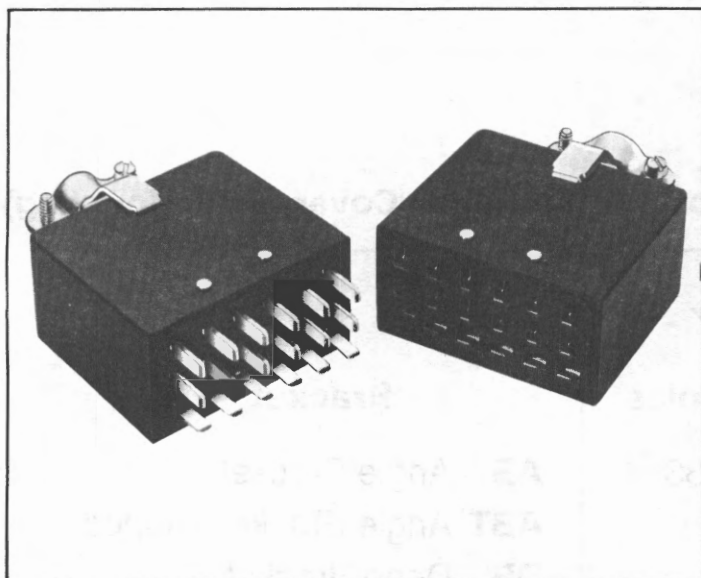
For accessories such as Panel Lock Studs, Latch & Keeper etc., please contact our Sales Department.

¹/P = Plug /S = Socket



BEAU PLUG — SOCKET

10 Amps/Series 3300

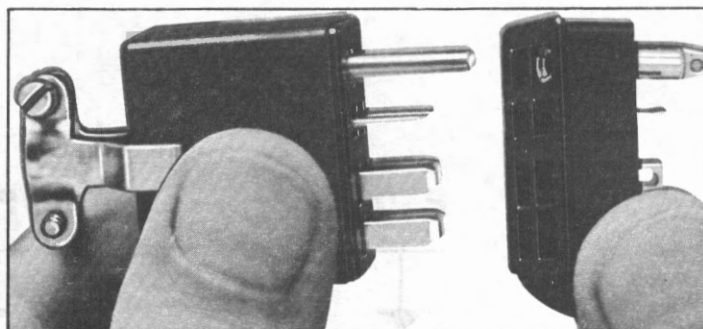


For panel and cable mounting

Beau 3300 connectors are completely interchangeable with "Series 300 type" connectors. They are designed for panel and cable mounting using a wide variety of hardware.

Electrical rating: Individual contacts are rated at 10 amps, 750 volts rms. Current rating and voltage in excess of 250 volts ac or dc are rated according to applicable specifications for electrical equipment in which these connectors are used and with respect to operating temperatures.

Typical applications for 3300 connectors are office machines, communication equipment, security systems, machine controls, vending machines, medical equipment, amusement machines, test equipment, measuring instruments, data processing equipment, teaching machines, etc.

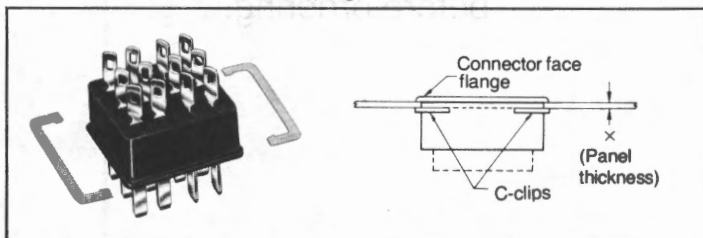


Pre-grounding connectors for greater safety

Vernitron gives you the greater safety of U.L. recognized, CSA certified pre-grounding plug and socket connectors. The extra long grounding contact engages before any other active contacts are mated.

With the longer pre-grounding contact, you will never have to cut any contacts to a shorter length to achieve a safer connection. No more costly, time-consuming hard cutting operations — and you attain the lowest installed cost.

The pre-grounding connectors are available in a large variety of styles — for chassis and cable mounting, with various types of mounting hardware, locking devices, etc. For sizes and dimensions, see pages 63-67.



C-clips for fast panel mounting

SCC C-clips. These exclusive C-clips make it possible to mount Beu connectors in 1/4th the time normally required. No holes to drill. No screws, bolts or rivets to fasten. Just slide on a pair of C-clips and the connector is secure. The clips seat into a groove and grip the body of the connector, parallel to the molded face flange.

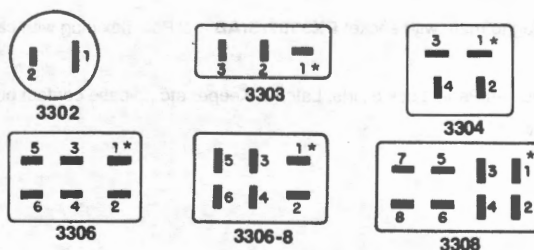
Panel thickness (dimension X) must be specified by the customer in thousandths of an inch (or mm) when ordering.

Available in 3302 through 3312 (2 to 12 contacts). For sizes and dimensions, see pages 65-66.

SCC Tools. Hand tools for inserting C-clips. Makes job even quicker. Available in three sizes:
SCC-1 for 3303 — SCC-2 for 3304-3310 — SCC-3 for 3312

Contact orientation

The polarization arrangement numbers shown at right are for *sockets*, as viewed from the wiring side. Plug numbering is the opposite. A heavy-duty polarizing/ground contact is in position 14 for Nos. 3324, 3327, 3330 and in position 17 for No. 3333.



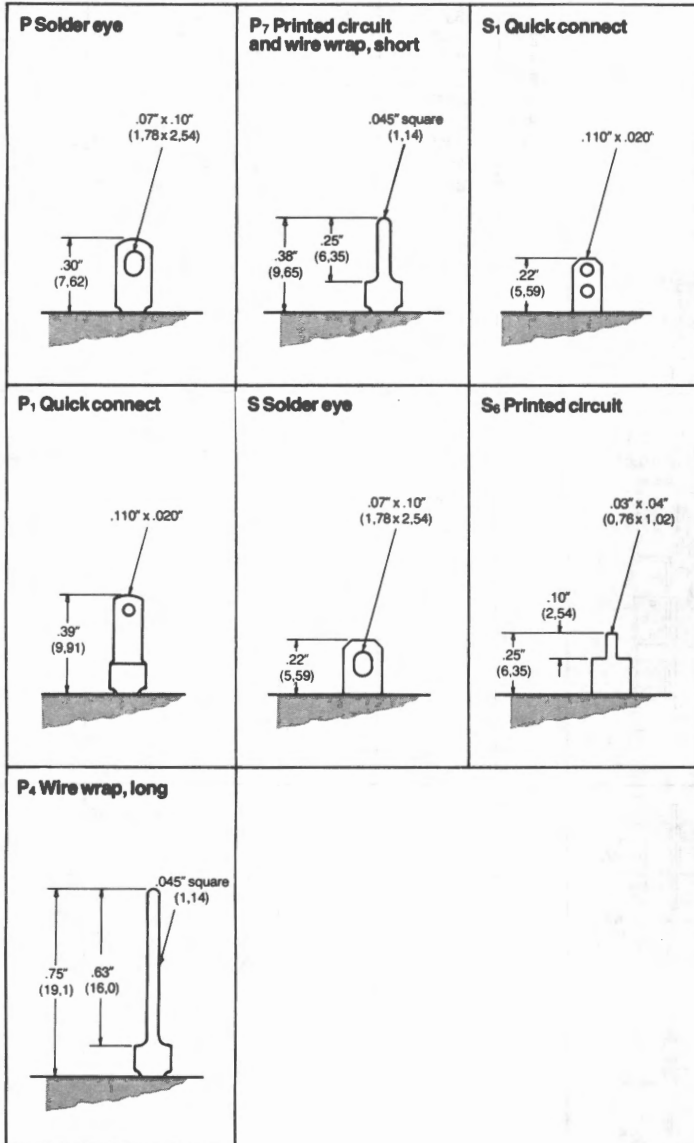
BEAU PLUG — SOCKET

10 Amps/Series 3300



Contact tails

Vernitron offers the widest selection of contact tails — all available off the shelf. To specify, add sub-number to catalog number; example: S₆ - 3312. For solder eye contact tails, no sub-number is needed.

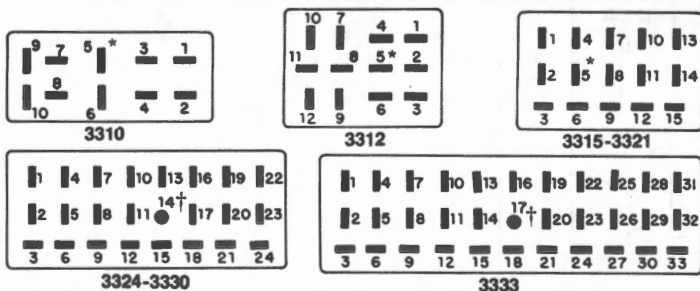


Figures in parenthesis are millimeters.

Specifications

Current rating, individual contacts	10 amps
Voltage rating, rms	750 volts; 250 volts (U.L. ▲)
Standards	U.L. recognized (File No. E34763) CSA certified (File No. 22156)
No. of contacts — Standard series	2 to 33
Pre-grounding	3 to 33 (incl grounding contact)
Plug contact material	Brass, cadmium plated
Plug contact dimensions (exposed contact surface)	.39" L x .14" W x .05" thick (9.9 x 3.6 x 1.3mm)
Socket contact	Phosphor bronze, cadmium plated. Double-wipe contact engages both sides of plug contacts
Pre-grounding contact rating	Up to 30 amps at rated voltages
Pre-grounding contact material	Heavy-duty plated brass
Contact plating options (add dash number to catalog number)	-03: .0003" (8μm) silver -04: .000015" (0.4μm) gold over .0002" (5μm) nickel -05: .00001" (0.3μm) rhodium over .0002" (5μm) nickel
Base insulating material	High-grade phenolic, black
Backshell materials	Thermoplastic (standard) Metal (option -M)
Backshell handles	Available for 3315 thru 3333 Consult factory
Hardware materials/finishes —	
Cable clamp, screws, latch and keeper, angle bracket, 63A lock	Steel, bright nickel electroplated
Deep and shallow bracket, flat plate, recessed plate and metal backshells	Steel, baked black wrinkle enamel finish over zinc chromate plating

▲U.L. rated at 250V, ac or dc, max between adjacent contacts. U.L. will consider higher voltages depending upon arrangement of live contacts and applicable requirements for equipment in which it is used.



*In pre-grounding styles, asterisk indicates location of pre-grounding contact.
†In sizes 3324 thru 3333, pre-grounding contact is standard

Panel mounting styles

Mounting hardware	Connector dimension drawings	No. of Contacts	Cat. No. Plug (P-), Socket (S-), Pre-grounding (PG- and SG-)	Connector dimensions							
				T		U		V		W	
				In.	mm	In.	mm	In.	mm	In.	mm
AB Angle Bracket ABT Angle Bracket Tapped (6-32) LAB Less Angle Bracket	Fig. L 	2 3 4 6 6 8 10 12 15	3302* 3303 3304 3306 3306-8 3308 3310 3312 3315	.66 1.00 .75 1.00 1.00 1.25 1.56 1.25 1.63	16,7 25,4 19,1 25,4 25,4 31,8 39,7 31,8 41,3	— .44 .69 .69 .69 .69 .69 .94 1.00	— 11,1 17,5 17,5 17,5 17,5 17,5 23,8 25,4	1.27 1.06 1.31 1.31 1.31 1.31 1.31 1.56 1.69	32,1 27,0 33,3 33,3 33,3 33,3 33,3 39,7 42,9	— — — — — — — — —	— — — — — — — — —
	Fig. M 	18 21 24 27 30 33	3318 3321 3324 3327 3330 3333	1.94 2.25 2.56 2.88 3.19 3.50	49,2 57,2 65,1 73,0 81,0 88,9	1.00 1.00 1.00 1.00 1.00 1.00	25,4 25,4 25,4 25,4 25,4 25,4	1.69 1.69 1.69 1.69 1.69 1.69	42,9 42,9 42,9 42,9 42,9 42,9	— — — — — —	— — — — — —
	Fig. N 	2 3 4 6 6 8 10 12	3302* 3303 3304 3306 3306-8 3308 3310 3312	.59D .94 .69 .94 .94 1.19 1.50 1.19	15,1 23,8 17,5 23,8 23,8 30,2 38,1 30,2	1.25 1.25 1.25 1.25 1.25 1.75 1.75 1.75	31,8 31,8 31,8 31,8 31,8 44,5 44,5 44,5	2.00 2.00 2.00 2.00 2.00 2.50 2.50 2.50	50,8 50,8 50,8 50,8 50,8 63,5 63,5 63,5	— .38 .63 .63 .63 .63 .63 .88	— 9,53 15,9 15,9 15,9 15,9 15,9 22,2
SB Shallow Bracket	Fig. O 	15 18 21 24 27 30 33	3315 3318 3321 3324 3327 3330 3333	1.69 2.00 2.31 2.63 2.94 3.25 3.56	42,9 50,8 58,7 66,7 74,6 82,6 90,5	— — — — — — —	— — — — — — —	2.55 2.86 3.17 3.48 3.80 4.11 4.42	64,7 72,6 80,6 88,5 96,4 104 112	— — — — — — —	— — — — — — —

▲Also available in Angle Bracket Reversed (ABR). Consult factory. *Not available in pre-grounding type. Δ3302-ABT is tapped 5-40.

BEAU PLUG – SOCKET

10 Amps/Series 3300



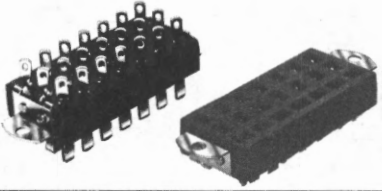
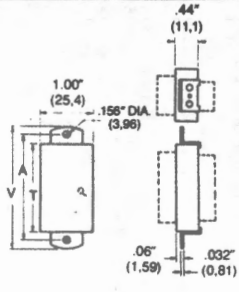
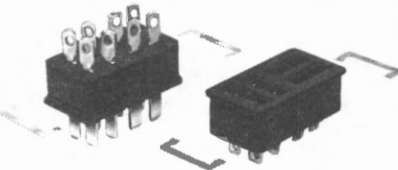
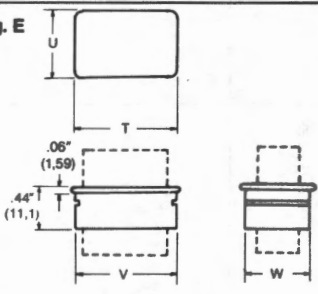
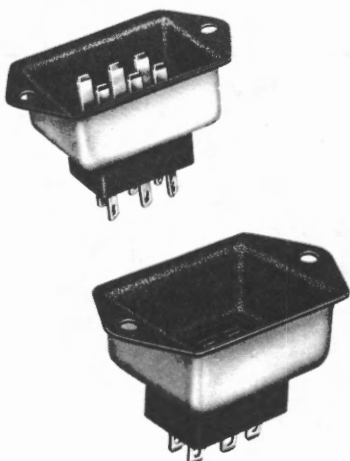
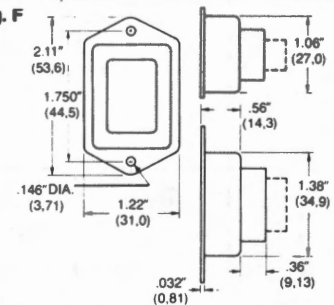
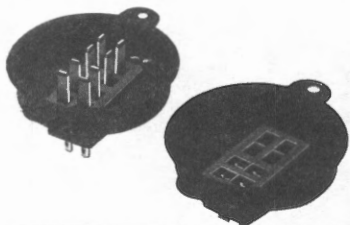
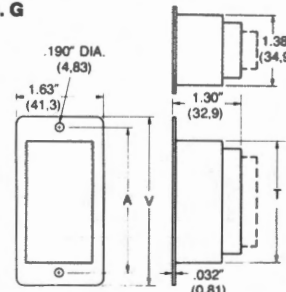
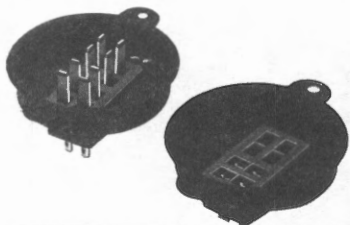
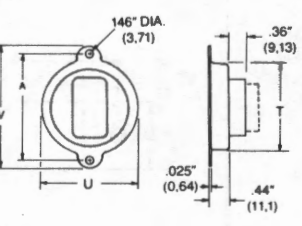
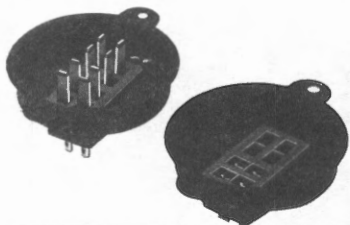
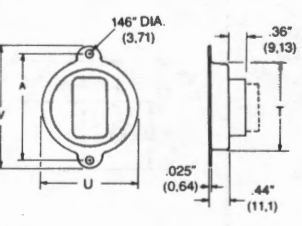
Polarizing Pin No.	Panel mounting dimensions (suggested)					Cat. No. Plug (P-), Socket (S-), Pre-grounding (PG- and SG-)	Panel dimension drawings (suggested)
	Fig. No.	A in. mm	B in. mm	C in. mm			
1	D	.969 24,6	— —	— —		3302*	Fig. D Fig. E Fig. F
—	E	.750 19,1	1.016 25,8	.453 11,5		3303	
—	F	1.000 25,4	.781 19,8	.719 18,3		3304	
—	E	1.000 25,4	1.031 26,2	.719 18,3		3306	
—	E	1.000 25,4	1.031 26,2	.719 18,3		3306-8	
—	F	1.000 25,4	1.281 32,5	.719 18,3		3308	
—	F	1.000 25,4	1.578 40,1	.719 18,3		3310	
—	F	1.250 31,8	1.266 32,2	.953 24,2		3312	
—	F	1.375 34,9	1.640 41,7	1.016 25,8		3315	
—	G	1.250 31,8	1.953 49,6	— —		3318	Fig. G
—	G	.938 23,8	2.265 57,5	— —		3321	
14	G	1.250 31,8	2.578 65,5	— —		3324	
14	G	1.562 39,7	2.890 73,4	— —		3327	
14	G	1.875 47,6	3.203 81,4	— —		3330	
17	G	2.188 55,6	3.515 89,3	— —		3333	
—	H	— —	— —	— —		3302*	Fig. H Fig. J
—	J	1.750 44,5	.516 13,1	.953 24,2		3303	
—	J	1.750 44,5	.703 17,9	.766 19,5		3304	
—	J	1.750 44,5	.766 19,5	.953 24,2		3306	
—	J	1.750 44,5	.766 19,5	.953 24,2		3306-8	
—	J	2.250 57,2	.766 19,5	1.203 30,6		3308	
—	J	2.250 57,2	.766 19,5	1.516 38,5		3310	
—	J	2.250 57,2	1.063 27,0	1.203 30,6		3312	
—	K	2.125 54,0	1.156 29,4	1.750 44,5		3315	Fig. K
—	K	2.437 61,9	1.156 29,4	2.062 52,4		3318	
—	K	2.750 69,9	1.156 29,4	2.375 60,3		3321	
14	K	3.062 77,8	1.156 29,4	2.687 68,2		3324	
14	K	3.375 85,7	1.156 29,4	3.000 76,2		3327	
14	K	3.687 93,6	1.156 29,4	3.312 84,1		3330	
17	K	4.000 102	1.156 29,4	3.625 92,1		3333	



BEAU PLUG — SOCKET

10 Amps/Series 3300

Panel mounting styles

Mounting hardware	Connector dimension drawings Dimensions: inches (mm)	No. of Contacts	Cat. No. Plug (P-), Socket (S-), Pre-grounding (PG- and SG-)	Connector dimensions							
				T		U		V		W	
				in.	mm	in.	mm	in.	mm	in.	mm
EB End Bracket EBT End Bracket Tapped (6-32) 	Fig. D 	15	3315	1.63	41,3	—	—	2.31	58,7	—	—
		18	3318	1.94	49,2	—	—	2.63	66,7	—	—
		21	3321	2.25	57,2	—	—	2.94	74,6	—	—
		24	3324	2.56	65,1	—	—	3.25	82,6	—	—
		27	3327	2.88	73,0	—	—	3.56	90,5	—	—
		30	3330	3.19	81,0	—	—	3.88	98,4	—	—
		33	3333	3.50	88,9	—	—	4.19	106	—	—
SCC Snap C-Clip  Specify panel thickness when ordering.	Fig. E 	2	3302*	.66D	16,7	—	—	.59D	15,1	—	—
		3	3303	1.00	25,4	.44	11,1	.94	23,8	.38	9,53
		4	3304	.75	19,1	.69	17,5	.69	17,5	.63	15,9
		6	3306	1.00	25,4	.69	17,5	.94	23,8	.63	15,9
		6	3306-8	1.00	25,4	.69	17,5	.94	23,8	.63	15,9
		8	3308	1.25	31,8	.69	17,5	1.19	30,2	.63	15,9
		10	3310	1.56	39,7	.69	17,5	1.50	38,1	.63	15,9
DB Deep Bracket 	Fig. F 	2	3302*	—	—	—	—	—	—	—	—
		3	3303△	—	—	—	—	—	—	—	—
		4	3304△	—	—	—	—	—	—	—	—
		6	3306	—	—	—	—	—	—	—	—
		6	3306-8	—	—	—	—	—	—	—	—
		8	3308	—	—	—	—	—	—	—	—
		12	3312	—	—	—	—	—	—	—	—
RP Recessed Plate 	Fig. G 	15	3315	2.00	50,8	—	—	2.81	71,4	—	—
		18	3318	2.31	58,7	—	—	3.13	79,4	—	—
		21	3321	2.63	66,7	—	—	3.44	87,3	—	—
		24	3324	2.94	74,6	—	—	3.75	95,3	—	—
		27	3327	3.25	82,6	—	—	4.06	103	—	—
		30	3330	3.56	90,5	—	—	4.38	111	—	—
		33	3333	3.88	98,4	—	—	4.69	119	—	—
RP Recessed Plate 	Fig. H 	2	3302*	1.03D	26,2	1.50D	38,1	2.06	52,4	—	—
		3	3303△	1.03D	26,2	1.50D	38,1	2.06	52,4	—	—
		4	3304△	1.03D	26,2	1.50D	38,1	2.06	52,4	—	—
		6	3306	1.03D	26,2	1.50D	38,1	2.06	52,4	—	—
		6	3306-8	1.03D	26,2	1.50D	38,1	2.06	52,4	—	—
		8	3308	1.81D	46,0	2.00D	50,8	2.56	65,1	—	—
		10	3310	1.81D	46,0	2.00D	50,8	2.56	65,1	—	—
RP Recessed Plate 	Fig. H 	12	3312	1.81D	46,0	2.00D	50,8	2.56	65,1	—	—

*Not available in pre-grounding type. △ Plug not available in pre-grounding type.

BEAU PLUG – SOCKET

10 Amps/Series 3300



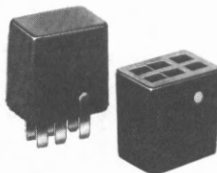
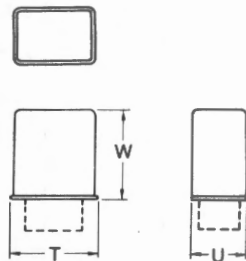
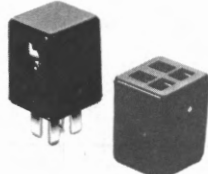
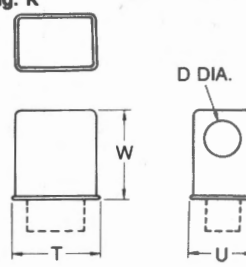
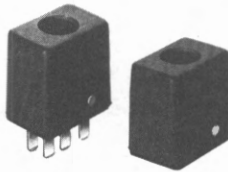
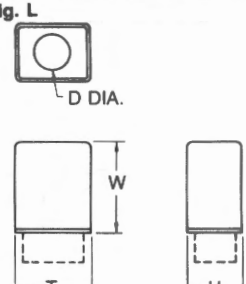
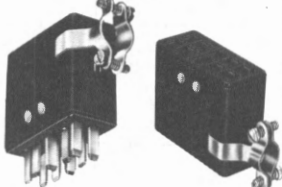
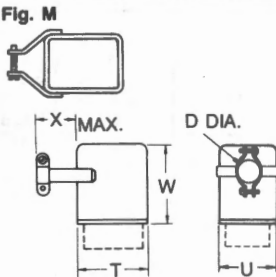
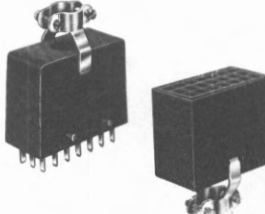
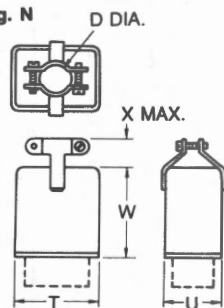
Polarizing Pin No.	Panel mounting dimensions (suggested)				Cat. No. Plug (P-), Socket (S-), Pre-grounding (PG- and SG-)	Panel dimension drawings (suggested) Dimensions: inches (mm)
	Fig. No.	A in. mm	B in. mm	C in. mm		
— — — 14 14 14 17	L L L L L L L	2.000 50,8 2.313 58,8 2.625 66,7 2.938 74,6 3.250 82,6 3.563 90,5 3.875 98,4	— — — — — — — — — — — — — —	1.641 41,7 1.953 49,6 2.266 57,6 2.578 65,5 2.891 73,4 3.203 81,4 3.516 89,3	3315 3318 3321 3324 3327 3330 3333	Fig. L
— — — — — — —	M N N N N N N	— — — — — — — — — — — — — —	— — .385 9,78 .635 16,1 .635 16,1 .635 16,1 .635 16,1 .885 22,5	— — .950 24,1 .698 17,7 .950 24,1 .950 24,1 1.198 30,4 1.510 38,4 1.198 30,4	3302* 3303 3304 3306 3306-8 3308 3310 3312	Fig. M Fig. N
— — — — — — —	P P P P P P P	— — — — — — — — — — — — — —	— — — — — — — — — — — — — —	— — — — — — — — — — — — — —	3302* 3303 3304 3306 3306-8 3308 3312	Fig. P
— — — 14 14 14 17	Q Q Q Q Q Q Q	2.375 60,3 2.687 68,2 3.000 76,2 3.312 84,1 3.625 92,1 3.937 100 4.250 108	— — — — — — — — — — — — — —	2.000 50,8 2.312 58,7 2.625 66,7 2.937 74,6 3.250 82,6 3.562 90,5 3.875 98,4	3315 3318 3321 3324 3327 3330 3333	Fig. Q
— — — — — — —	R R R R R R R	1.750 44,5 1.750 44,5 1.750 44,5 1.750 44,5 1.750 44,5 2.250 57,2 2.250 57,2 2.250 57,2	1.360 34,5 1.360 34,5 1.360 34,5 1.360 34,5 1.360 34,5 1.860 47,2 1.860 47,2 1.860 47,2	— — — — — — — — — — — — — — — —	3302* 3303 3304 3306 3306-8 3308 3312	Fig. R



BEAU PLUG — SOCKET

10 Amps/Series 3300

Cable mounting styles

Mounting hardware	No. of Contacts	Cat. No. — Plug (P-), Socket (S-), Pre-grounding (PG- and SG-)	Connector dimensions								Connector dimension drawings		
			D†		T		U		W			X	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
BBS Blank Back Shell 	2	3302*	—	—	.66D	16,7D	—	—	.97	24,6	—	—	Fig. J 
	3	3303▲	—	—	1.00	25,4	.44	11,1	.97	24,6	—	—	
	4	3304▲	—	—	.75	19,1	.69	17,5	.97	24,6	—	—	
	6	3306	—	—	1.00	25,4	.69	17,5	1.06	27,0	—	—	
	6	3306-8	—	—	1.00	25,4	.69	17,5	1.06	27,0	—	—	
	8	3308	—	—	1.25	31,8	.69	17,5	1.06	27,0	—	—	
	10	3310	—	—	1.56	39,7	.69	17,5	1.19	30,2	—	—	
	12	3312	—	—	1.25	31,8	.94	23,8	1.19	30,2	—	—	
	15	3315	—	—	1.78	45,2	1.16	29,4	1.75	44,5	—	—	
	18	3318	—	—	2.08	52,8	1.16	29,4	1.75	44,5	—	—	
	21	3321	—	—	2.34	59,5	1.16	29,4	1.75	44,5	—	—	
	24	3324	—	—	2.78	70,6	1.16	29,4	1.75	44,5	—	—	
	27	3327	—	—	3.00	76,2	1.16	29,4	1.75	44,5	—	—	
30	3330	—	—	3.34	84,9	1.16	29,4	1.75	44,5	—	—		
33	3333	—	—	3.66	92,9	1.16	29,4	1.75	44,5	—	—		
FHE Flared Hole End 	3	3303▲	.31	7,9	1.00	25,4	.44	11,1	.97	24,6	—	—	Fig. K 
	4	3304▲	.38	9,5	.75	19,1	.69	17,5	.97	24,6	—	—	
	6	3306	.44	11,1	1.00	25,4	.69	17,5	1.06	27,0	—	—	
	6	3306-8	.44	11,1	1.00	25,4	.69	17,5	1.06	27,0	—	—	
	8	3308	.50	12,7	1.25	31,8	.69	17,5	1.06	27,0	—	—	
	10	3310	.50	12,7	1.56	39,7	.69	17,5	1.19	30,2	—	—	
	12	3312	.56	14,3	1.25	31,8	.94	23,8	1.19	30,2	—	—	
	15	3315	.56	14,3	1.78	45,2	1.16	29,4	1.75	44,5	—	—	
	18	3318	.56	14,3	2.08	52,8	1.16	29,4	1.75	44,5	—	—	
	21	3321	.63	15,9	2.34	59,5	1.16	29,4	1.75	44,5	—	—	
	24	3324	.63	15,9	2.78	70,6	1.16	29,4	1.75	44,5	—	—	
	27	3327	.63	15,9	3.00	76,2	1.16	29,4	1.75	44,5	—	—	
	30	3330	.75	19,0	3.34	84,9	1.16	29,4	1.75	44,5	—	—	
33	3333	.75	19,0	3.66	92,9	1.16	29,4	1.75	44,5	—	—		
FHT Flared Hole Top 	2	3302*	.38	9,5	.66D	16,7D	—	—	.97	24,6	—	—	Fig. L 
	3	3303▲	.31	7,9	1.00	25,4	.44	11,1	.97	24,6	—	—	
	4	3304▲	.38	9,5	.75	19,1	.69	17,5	.97	24,6	—	—	
	6	3306	.44	11,1	1.00	25,4	.69	17,5	1.06	27,0	—	—	
	6	3306-8	.44	11,1	1.00	25,4	.69	17,5	1.06	27,0	—	—	
	8	3308	.50	12,7	1.25	31,8	.69	17,5	1.06	27,0	—	—	
	10	3310	.50	12,7	1.56	39,7	.69	17,5	1.19	30,2	—	—	
	12	3312	.56	14,3	1.25	31,8	.94	23,8	1.19	30,2	—	—	
	15	3315	.56	14,3	1.78	45,2	1.16	29,4	1.75	44,5	—	—	
	18	3318	.56	14,3	2.08	52,8	1.16	29,4	1.75	44,5	—	—	
	21	3321	.63	15,9	2.34	59,5	1.16	29,4	1.75	44,5	—	—	
	24	3324	.63	15,9	2.78	70,6	1.16	29,4	1.75	44,5	—	—	
	27	3327	.63	15,9	3.00	76,2	1.16	29,4	1.75	44,5	—	—	
30	3330	.75	19,0	3.34	84,9	1.16	29,4	1.75	44,5	—	—		
33	3333	.75	19,0	3.66	92,9	1.16	29,4	1.75	44,5	—	—		
CCE Cable Clamp End 	3	3303▲	.31	7,9	1.00	25,4	.44	11,1	.97	24,6	.50	12,7	Fig. M 
	4	3304▲	.38	9,5	.75	19,1	.69	17,5	.97	24,6	.50	12,7	
	6	3306	.44	11,1	1.00	25,4	.69	17,5	1.06	27,0	.50	12,7	
	6	3306-8	.44	11,1	1.00	25,4	.69	17,5	1.06	27,0	.50	12,7	
	8	3308	.50	12,7	1.25	31,8	.69	17,5	1.06	27,0	.50	12,7	
	10	3310	.50	12,7	1.56	39,7	.69	17,5	1.19	30,2	.50	12,7	
	12	3312	.56	14,3	1.25	31,8	.94	23,8	1.19	30,2	.50	12,7	
	15	3315	.56	14,3	1.78	45,2	1.16	29,4	1.75	44,5	.75	19,1	
	18	3318	.56	14,3	2.08	52,8	1.16	29,4	1.75	44,5	.75	19,1	
	21	3321	.63	15,9	2.34	59,5	1.16	29,4	1.75	44,5	.75	19,1	
	24	3324	.63	15,9	2.78	70,6	1.16	29,4	1.75	44,5	.75	19,1	
	27	3327	.63	15,9	3.00	76,2	1.16	29,4	1.75	44,5	.75	19,1	
	30	3330	.75	19,0	3.34	84,9	1.16	29,4	1.75	44,5	.75	19,1	
33	3333	.75	19,0	3.66	92,9	1.16	29,4	1.75	44,5	.75	19,1		
CCT Cable Clamp Top 	2	3302*	.38	9,5	.66D	16,7D	—	—	.97	24,6	.50	12,7	Fig. N 
	3	3303▲	.31	7,9	1.00	25,4	.44	11,1	.97	24,6	.50	12,7	
	4	3304▲	.38	9,5	.75	19,1	.69	17,5	.97	24,6	.50	12,7	
	6	3306	.44	11,1	1.00	25,4	.69	17,5	1.06	27,0	.50	12,7	
	6	3306-8	.44	11,1	1.00	25,4	.69	17,5	1.06	27,0	.50	12,7	
	8	3308	.50	12,7	1,25	31,8	.69	17,5	1.06	27,0	.50	12,7	
	10	3310	.50	12,7	1.56	39,7	.69	17,5	1.19	30,2	.50	12,7	
	12	3312	.56	14,3	1.25	31,8	.94	23,8	1.19	30,2	.50	12,7	
	15	3315	.56	14,3	1.78	45,2	1.16	29,4	1.75	44,5	.75	19,1	
	18	3318	.56	14,3	2.08	52,8	1.16	29,4	1.75	44,5	.75	19,1	
	21	3321	.63	15,9	2.34	59,5	1.16	29,4	1.75	44,5	.75	19,1	
	24	3324	.63	15,9	2.78	70,6	1.16	29,4	1.75	44,5	.75	19,1	
	27	3327	.63	15,9	3.00	76,2	1.16	29,4	1.75	44,5	.75	19,1	
30	3330	.75	19,0	3.34	84,9	1.16	29,4	1.75	44,5	.75	19,1		
33	3333	.75	19,0	3.66	92,9	1.16	29,4	1.75	44,5	.75	19,1		

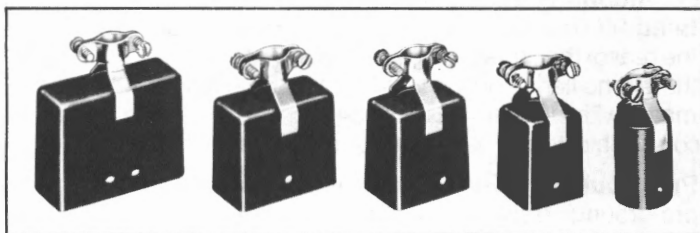
*Not available in pre-grounding type. ▲Socket not available in pre-grounding type. †For non-standard hole sizes, consult factory.

BEAU PLUG — SOCKET

10 Amps/Series 3300



Cable mounting hardware



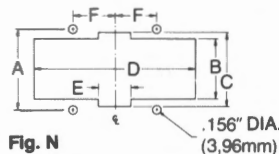
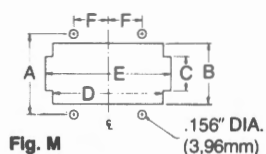
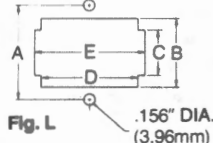
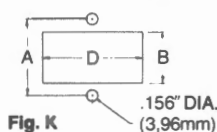
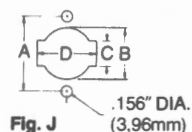
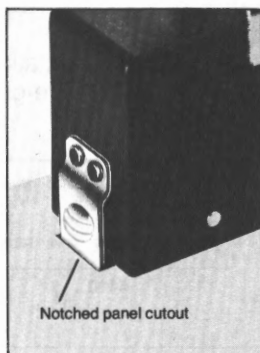
Backshells

Thermoplastic (standard). These molded thermoplastic backshells, exclusively from Vernitron, provide greater dielectric strength — and greater safety than metal backshells. They are also highly resilient, non-denting, non-rusting, acid resistant. U.L. recognized. CSA certified. Color, black.

Metal (option -M). Available upon request. Made of zinc plated steel, chromate dipped and painted with baked black wrinkle enamel finish. Furnished with molded vinyl or insulating paper liners. U.L. recognized. CSA certified.

Panel latch (-L)

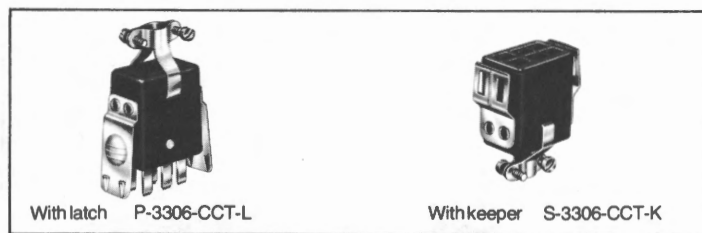
For locking a cable-mounted connector with latch to a panel-mounted connector. Used with AB angle bracket and ABT angle bracket tapped mounting hardware. The latch will engage chassis up to $\frac{1}{16}$ " thick, maximum. For latching thicker panels, consult factory. Connector sizes and panel mounting dimensions are shown in the table and drawings below. Both plug and socket can be equipped with a latch (-L).



Panel mounting dimensions (suggested)

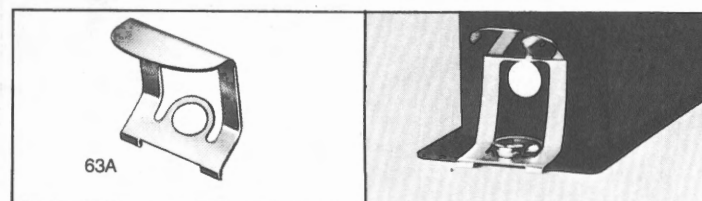
Connector Fig. size	No.	A	B	C	D	E	F
		in.	mm	in.	mm	in.	mm
3302	J	.97	24,6	.67	17,0	.31	7,9
3303	K ^A	.75	19,1	.45	11,4	—	—
3304	L	1.00	25,4	.72	18,3	.31	7,9
3306	K ^A	1.00	25,4	.72	18,3	—	—
3306-8	K ^A	1.00	25,4	.72	18,3	—	—
3308	K	1.00	25,4	.72	18,3	—	—
3310	K	1.00	25,4	.72	18,3	—	—
3312	L	1.25	31,8	.95	24,1	.63	16,0
3315	L	1.38	35,1	1.02	25,9	.63	16,0
3318	M	1.38	35,1	1.02	25,9	.63	16,0
3321	M	1.38	35,1	1.02	25,9	.63	16,0
3324	M	1.38	35,1	1.02	25,9	.63	16,0
3327	N	1.38	35,1	1.02	25,9	.63	16,0
3330	N	1.38	35,1	1.02	25,9	.63	16,0
3333	N	1.38	35,1	1.02	25,9	.63	16,0

^AMounting holes .03" (0,76mm) off center line.



Latch (-L) and Keeper (-K)

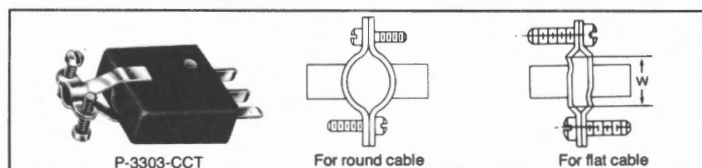
For connecting two cable-mounted connectors. Plug and socket can be equipped with either a latch (-L) or keeper (-K).



63A Panel lock and stud

For locking a cable-mounted connector to a panel-mounted connector. In panel mounting applications, the 63A lock mounts with the same screw used to secure the bracket. The stud is built into the backshell; to order, add dash number to connector catalog number (three types available, see table below). Panel locks are ordered separately: Catalog No. 63A (also specify panel mounting style AB, SB or DB).

Mounting hardware	Connector sizes	Stud Cat. No.
AB Angle bracket	3303 thru 3312	-63A-AB
SB Shallow bracket	3315 thru 3333	-63A-SB
DB Deep bracket	3315 thru 3333	-63A-DB



Cable clamps

Strain relief cable clamps, used with round or flat cable. For top mounting (-CCT) or end mounting (-CCE).

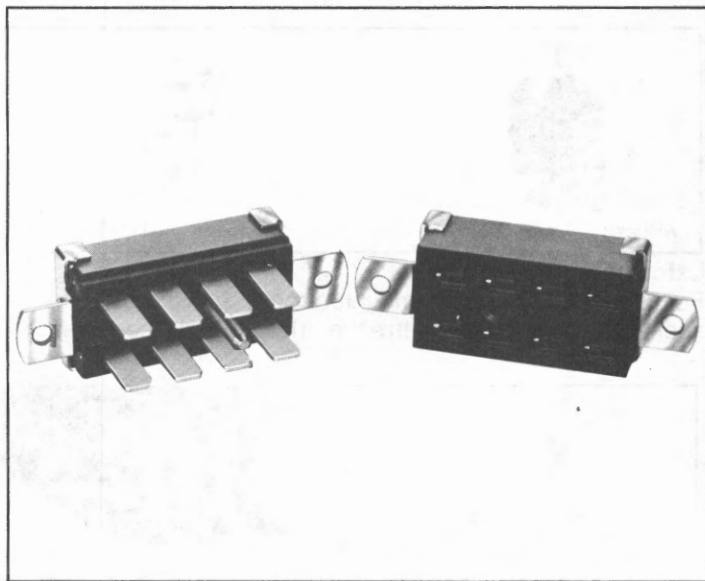
For connector size	Clamp opening, in. (mm)	Clamp Cat. No.
	min	max
STANDARD CLAMP SIZES — for round cable		
3302	.13" (3,3) DIA.	.38" (9,7) DIA.
3303	.13" (3,3) DIA.	.38" (9,7) DIA.
3304 thru 3312	.22" (5,6) DIA.	.50" (12,7) DIA.
3315 thru 3318	.38" (9,7) DIA.	.72" (18,3) DIA.
3321 thru 3333	.38" (9,7) DIA.	.84" (21,3) DIA.
CLAMP OPTIONS — for round cable		
3315 thru 3333	.45" (11,4) DIA.	.91" (23,1) DIA.
3315 thru 3333	.38" (9,7) DIA.	.72" (18,3) DIA.
for CCE mating DB	.38" (9,7) DIA.	.72" (18,3) DIA.
CLAMP OPTIONS — for flat cable		
3302	.11" x .25"W (2,8 x 6,4)	.34" x .25"W (8,6 x 6,4)
3303	.11" x .25"W (2,8 x 6,4)	.34" x .25"W (8,6 x 6,4)
3304 thru 3310	.11" x .38"W (2,8 x 9,7)	.34" x .38"W (8,6 x 9,7)
3312	.11" x .38"W (2,8 x 9,7)	.34" x .38"W (8,6 x 9,7)

*Order number not required. This clamp size automatically furnished when ordering -CCT or -CCE.



BEAU PLUG — SOCKET

15 Amps/Series 4400



For mounting from rear of panel

Beau 4400 connectors may be prewired and installed from the rear of the chassis or panel. This is possible because there is no flange on the molded face. Beau 4400 units can be mated with all Beau 4400 and 5400 models, and are also compatible with "Series 2400 and 400 type" connectors.

Pre-grounding: The 4400 series is also available in the pre-grounding style. Consult factory for details.

Electrical rating: Individual contacts are rated at 15 amps, 1750 volts rms. Current rating and voltage in excess of 250 volts ac or dc are rated according to applicable specifications for electrical equipment in which these connectors are used and with respect to operating temperatures.

Typical applications for 4400 connectors are traffic control equipment, industrial machinery, heating and cooling equipment, signal systems, etc.

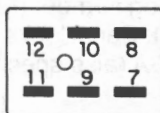
Contact orientation

The polarization arrangement numbers shown below are for sockets, as viewed from the wiring side. Plug numbering is

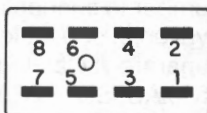
○ = polarizing position



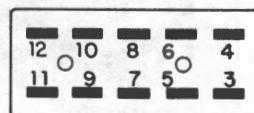
4404



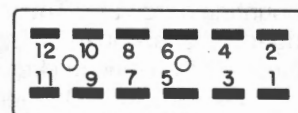
4406



4408



4410



4412

the opposite. Orientation of 4400 pre-grounding contacts is identical to 5400 pre-grounding connectors (see page 72).

Panel mounting styles

Mounting hardware

Connector dimension drawings

Dimensions: inches (mm)

AB Angle Bracket

ABT Angle Bracket Tapped (6-32)

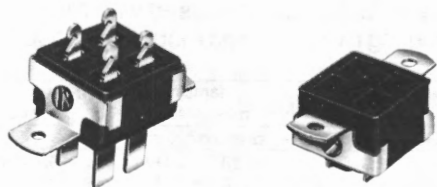
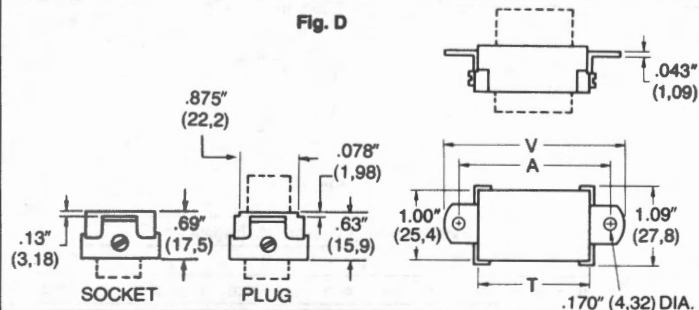


Fig. D



LAB Less Angle Bracket

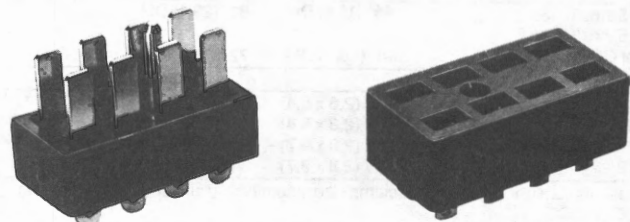
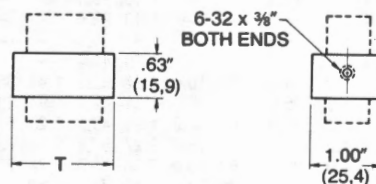


Fig. E



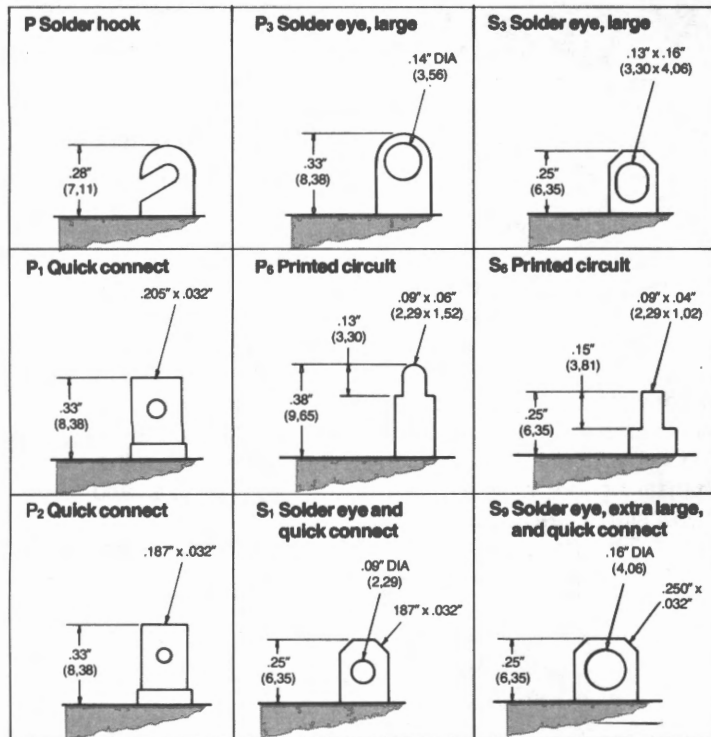
BEAU PLUG – SOCKET

15 Amps/Series 4400



Contact tails

Vernitron offers the widest selection of contact tails — all available off the shelf. To specify, add sub-number to catalog number; example: P₂-4404. For solder hook contact tails (plugs only), no sub-number is needed.



Figures in parenthesis are millimeters.

Specifications

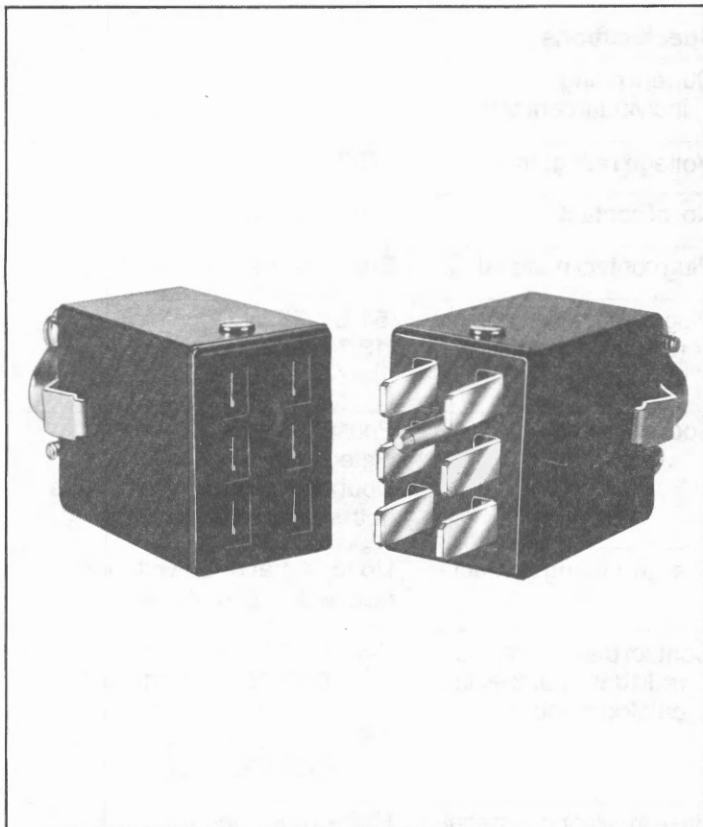
Current rating, individual contacts	15 amps
Voltage rating, rms	1750 volts
No. of contacts	4 to 12; pre-grounding, 5 to 13
Plug contact material	Brass, cadmium plated
Plug contact dimensions (exposed contact surface)	.54" L x .25" W x .06" thick (13,7 x 6,4 x 1,5 mm)
Socket contact	Phosphor bronze, cadmium plated. Double-wipe contact engages both sides of plug contacts
Pre-grounding contact	Up to 30A at rated voltages; heavy-duty plated brass
Contact plating options (add dash number to catalog number)	-03: .0003" (8μm) silver -04: .000015" (0,4μm) gold over .0002" (5μm) nickel -05: .00001" (0,3μm) rhodium over .0002" (5μm) nickel
Base insulating material	High-grade phenolic, black
Angle bracket and screw material	Steel, bright nickel electroplated

No. of Contacts	Cat. No. Plug (P-), Socket (S-)	Connector dimensions				Panel mounting dimensions (suggested)				Panel dimension drawings (suggested)
		T		V		A		C		
		in.	mm	in.	mm	in.	mm	in.	mm	Dimensions: inches (mm)
4	4404	1.00	25,4	2.06	52,4	1.625	41,3	1.015	25,8	Fig. F .187" DIA. TYP. (4,75) Plug: .890" (22,6) Socket: 1.015" (25,8)
6	4406	1.44	36,5	2.50	63,5	2.063	52,4	1.453	36,9	
8	4408	1.88	47,6	2.94	74,6	2.500	63,5	1.891	48,0	
10	4410	2.31	58,7	3.38	85,7	2.938	74,6	2.328	59,1	
12	4412	2.75	69,9	3.81	96,8	3.375	85,7	2.766	70,3	
4	4404	1.00	25,4	—	—	—	—	—	—	
6	4406	1.44	36,5	—	—	—	—	—	—	
8	4408	1.88	47,6	—	—	—	—	—	—	
10	4410	2.31	58,7	—	—	—	—	—	—	
12	4412	2.75	69,9	—	—	—	—	—	—	



BEAU PLUG — SOCKET

15 Amps/Series 5400



For panel and cable mounting

Beau 5400 connectors are designed for use in panel and cable mounting applications. They can be mated with all Beau 4400 and 5400 models, and are also interchangeable with "Series 2400 or 400 type" connectors. The 5400 connectors have a flange molded into the base which neatly conceals the panel cutout.

Electrical rating: Individual contacts are rated at 15 amps, 1750 volts rms. Current rating and voltage in excess of 250 volts ac or dc are rated according to the applicable specifications for electrical equipment in which these connectors are used and with respect to operating temperatures.

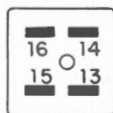
Typical applications for 5400 connectors are traffic control equipment, industrial machinery, heating and cooling equipment, signal systems, etc.

Contact orientation

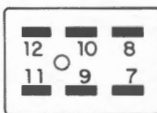
The polarization arrangement numbers shown below are for **sockets**, as viewed from the wiring side. Plug numbering is the opposite.

Standard connectors

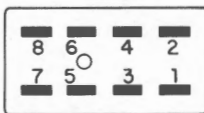
○ = polarizing position ● = polarizing position — current-carrying contacts



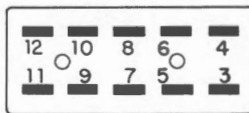
5404



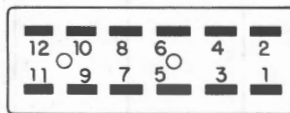
5406



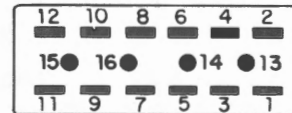
5408



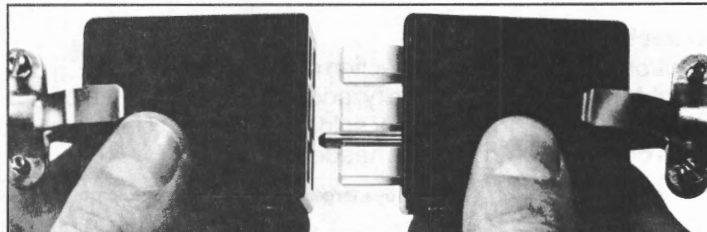
5410



5412



5414, 5415, 5416



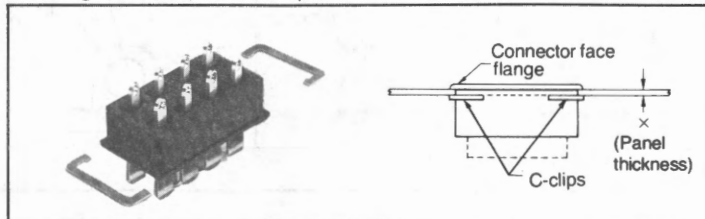
Pre-grounding connectors for greater safety

Vernitron gives you the greater safety of U.L. recognized, CSA certified pre-grounding plug and socket connectors. The extra long grounding contact engages before any other active contacts are mated.

With the longer pre-grounding contact, you will never have to cut any contacts to a shorter length to achieve a safer connection. No more costly, time-consuming hand cutting operations — and you attain the lowest installed cost.

The pre-grounding connectors are available in a large variety of styles — for chassis and cable mounting, with various types of mounting hardware, locking devices, etc. Compared to regular 5400 series connectors, the pre-grounding contact is an additional contact position, rather than taking the place of a standard contact. For sizes and dimensions, see pages 73-75.

To order pre-grounding connectors, add a "G" to the catalog number; for example: PG-5411-CCT or SG-5411-DB.



C-clips for fast panel mounting

SCC C-clips. These exclusive C-clips make it possible to mount Beau connectors in 1/4th the time normally required. No holes to drill. No screws, bolts or rivets to fasten. Just slide on a pair of C-clips and the connector is secure. The clips seat into a groove and grip the body of the connector, parallel to the molded face flange.

Panel thickness (dimension X) must be specified by the customer in thousandths of an inch (or mm) when ordering.

Available in 5404 through 5416 (4 to 16 contacts). For sizes and dimensions, see pages 73-74.

SCC-4 Tool. Hand tool for inserting C-clips. Makes job even quicker. One size tool handles 5404 through 5416 connectors.

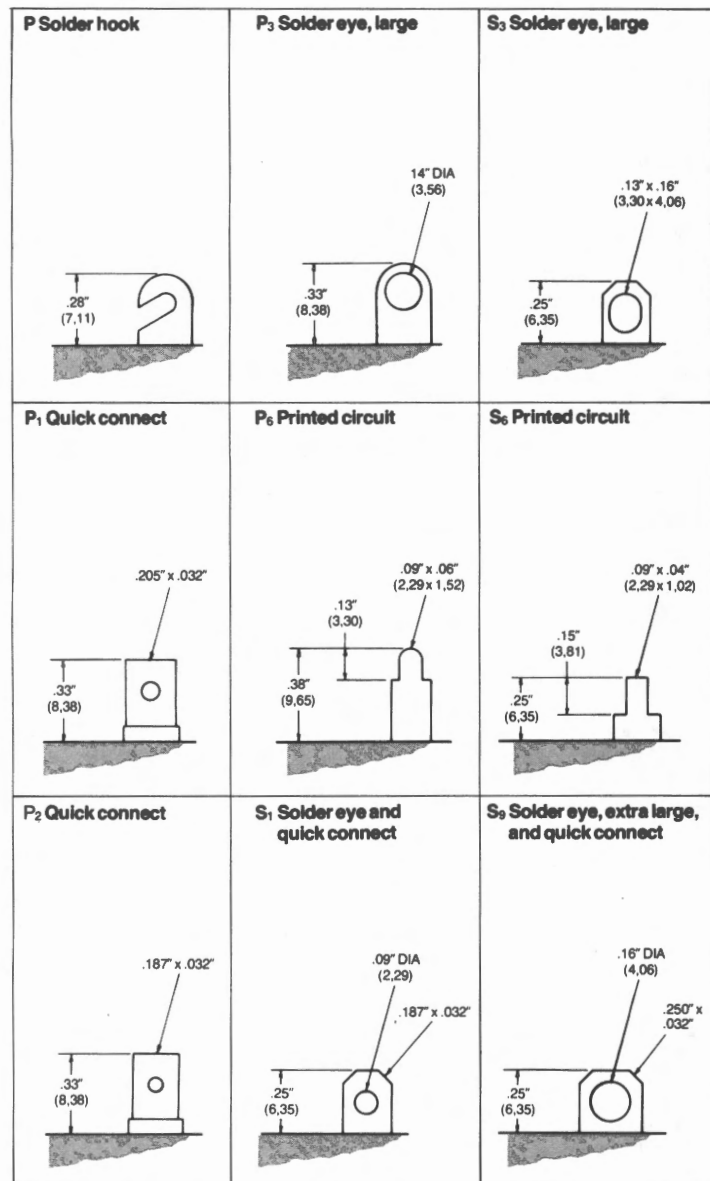
BEAU PLUG — SOCKET

15 Amps/Series 5400



Contact tails

Vernitron offers the widest selection of contact tails — all available off the shelf. To specify, add sub-number to catalog number; example: P₂-5404. For solder hook contact tails (plugs only), no sub-number is needed.



Figures in parenthesis are millimeters.

Specifications

Current rating, individual contacts	15 amps
Voltage rating, rms	1750 volts; 250 volts (U.L.▲)
Standards	U.L. recognized (File No. E34763) CSA certified (File No. 22156)
No. of contacts — Standard series	4 to 16
Pre-grounding	5 to 13 (incl grounding contact)
Plug contact material	Brass, cadmium plated
Plug contact dimensions (exposed contact surface)	.54" L x .25" W x .06" thick (13,7 x 6,4 x 1,5 mm)
Socket contact	Phosphor bronze, cadmium plated. Double-wipe contact engages both sides of plug contacts
Pre-grounding contact rating	Up to 30 amps at rated voltages
Pre-grounding contact material	Heavy-duty plated brass
Pre-grounding contact tail	Mounted on an elevated barrier which results in additional creep distance between adjacent contacts
Contact plating options (add dash number to catalog number)	-03: .0003" (8μm) silver -04: .000015" (0,4μm) gold over .0002" (5μm) nickel -05: .00001" (0,3μm) rhodium over .0002" (5μm) nickel
Base insulating material	High-grade phenolic, black
Backshell materials	Thermoplastic (standard). Metal (option -M)
Backshell handles	Available for 5406 thru 5416. Consult factory
Hardware materials/finishes —	
Cable clamp, screws, latch and keeper, angle bracket, 63A lock	Steel, bright nickel electroplated
Deep and shallow bracket, and metal backshells	Steel, baked black wrinkle enamel finish over zinc chromate plating

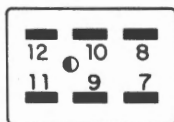
▲U.L. rated at 250V, ac or dc, max between adjacent contacts. U.L. will consider higher voltages depending upon arrangement of live contacts and applicable requirements for equipment in which it is used.

Pre-grounding connectors

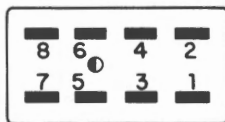
○ = polarizing position ● = combination pre-grounding/polarizing position



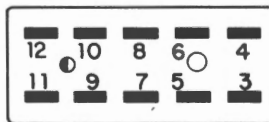
5405



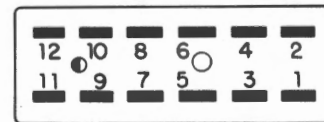
5407



5409



5411



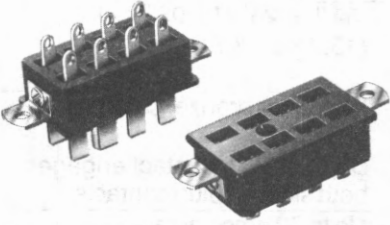
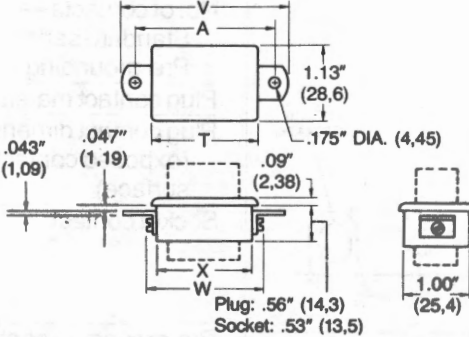
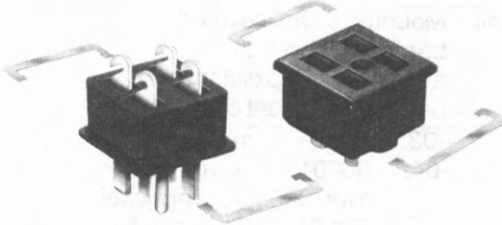
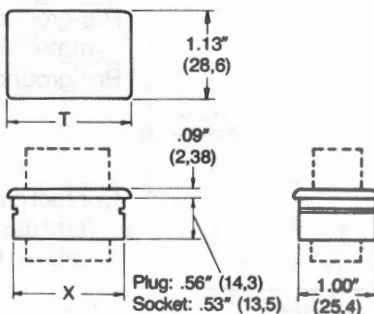
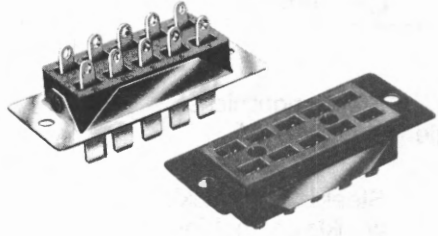
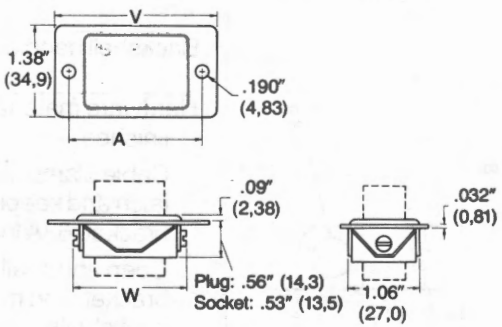
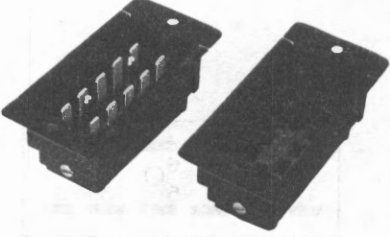
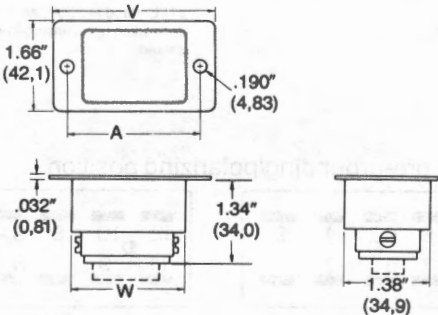
5413



BEAU PLUG — SOCKET

15 Amps/Series 5400

Panel mounting styles

Mounting hardware	Connector dimension drawings Dimensions: inches (mm)	Plug and Socket		Pre-grounding	
		No. of Contacts	Cat. No. (P- or S-)	No. of Contacts	Cat. No. (PG- or SG-)
AB Angle Bracket ABT Angle Bracket Tapped (6-32) LAB Less Angle Bracket 	Fig. D 	4 6 8 10 12 14 15 16	5404 5406 5408 5410 5412 5414 5415 5416	5 7 9 11 13 — — —	5405 5407 5409 5411 5413 — — —
SCC Snap C-Clip  Specify panel thickness when ordering.	Fig. E 	4 6 8 10 12 14 15 16	5404 5406 5408 5410 5412 5414 5415 5416	5 7 9 11 13 — — —	5405 5407 5409 5411 5413 — — —
SB Shallow Bracket 	Fig. F 	4 6 8 10 12 14 15 16	5404 5406 5408 5410 5412 5414 5415 5416	5 7 9 11 13 — — —	5405 5407 5409 5411 5413 — — —
DB Deep Bracket 	Fig. G 	4 6 8 10 12 14 15 16	5404 5406 5408 5410 5412 5414 5415 5416	5 7 9 11 13 — — —	5405 5407 5409 5411 5413 — — —

BEAU PLUG – SOCKET

15 Amps/Series 5400



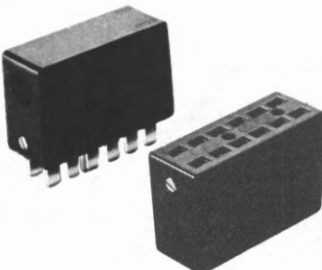
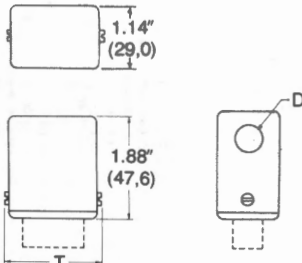
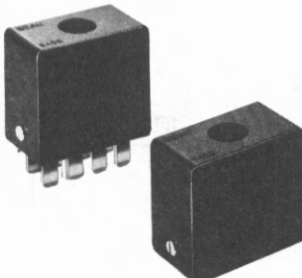
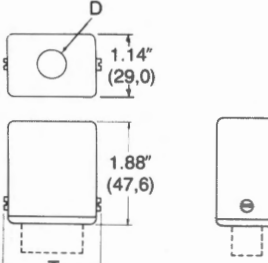
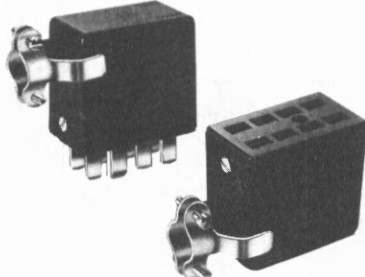
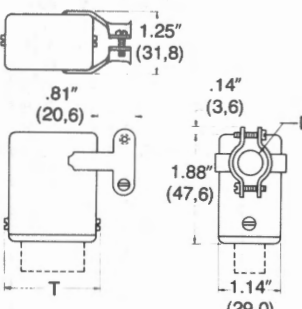
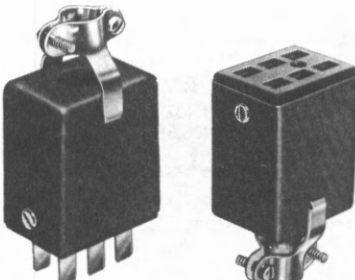
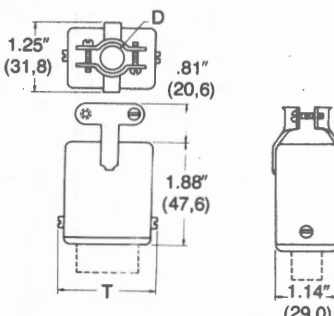
Connector dimensions				Panel mounting dimensions (suggested)		Cat. No. (P- or S-)	Panel dimension drawings (suggested)
T	V	W	X	A	C		
in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		Dimensions: inches (mm)
1.13 28,6	2.02 51,2	1.23 31,4	1.00 25,4	1.594 40,5	1.015 25,8	5404	Fig. J
1.56 39,7	2.45 62,3	1.67 42,5	1.44 36,5	2.031 51,6	1.453 36,9	5406	
2.00 50,8	2.89 73,4	2.11 53,6	1.88 47,6	2.468 62,7	1.891 48,0	5408	
2.44 61,9	3.33 84,5	2.55 64,7	2.31 58,7	2.906 73,8	2.328 59,1	5410	
2.88 73,0	3.77 95,6	2.98 75,8	2.75 69,9	3.344 84,9	2.766 70,3	5412	
2.88 73,0	3.77 95,6	2.98 75,8	2.75 69,9	3.344 84,9	2.766 70,3	5414	
2.88 73,0	3.77 95,6	2.98 75,8	2.75 69,9	3.344 84,9	2.766 70,3	5415	
2.88 73,0	3.77 95,6	2.98 75,8	2.75 69,9	3.344 84,9	2.766 70,3	5416	
1.13 28,6	— —	— —	1.00 25,4	— —	1.015 25,8	5404	Fig. K
1.56 39,7	— —	— —	1.44 36,5	— —	1.453 36,9	5406	
2.00 50,8	— —	— —	1.88 47,6	— —	1.891 48,0	5408	
2.44 61,9	— —	— —	2.31 58,7	— —	2.328 59,1	5410	
2.88 73,0	— —	— —	2.75 69,9	— —	2.766 70,3	5412	
2.88 73,0	— —	— —	2.75 69,9	— —	2.766 70,3	5414	
2.88 73,0	— —	— —	2.75 69,9	— —	2.766 70,3	5415	
2.88 73,0	— —	— —	2.75 69,9	— —	2.766 70,3	5416	
— —	1.92 48,8	1.16 29,4	— —	1.500 38,1	1.250 31,8	5404	Fig. L
— —	2.36 59,9	1.59 40,5	— —	1.937 49,2	1.687 42,8	5406	
— —	2.80 71,0	2.03 51,6	— —	2.375 60,3	2.125 54,0	5408	
— —	3.23 82,2	2.47 62,7	— —	2.812 71,4	2.562 65,1	5410	
— —	3.67 93,3	2.91 73,8	— —	3.250 82,6	3.000 76,2	5412	
— —	3.67 93,3	2.91 73,8	— —	3.250 82,6	3.000 76,2	5414	
— —	3.67 93,3	2.91 73,8	— —	3.250 82,6	3.000 76,2	5415	
— —	3.67 93,3	2.91 73,8	— —	3.250 82,6	3.000 76,2	5416	
— —	2.19 55,6	1.38 34,9	— —	1.750 44,5	1.437 36,5	5404	Fig. M
— —	2.63 66,7	1.81 46,0	— —	2.187 55,5	1.875 47,6	5406	
— —	3.06 77,8	2.25 57,2	— —	2.625 66,7	2.312 58,7	5408	
— —	3.50 88,9	2.69 68,3	— —	3.062 77,8	2.750 69,9	5410	
— —	3.94 100	3.13 79,4	— —	3.500 88,9	3.187 80,9	5412	
— —	3.94 100	3.13 79,4	— —	3.500 88,9	3.187 80,9	5414	
— —	3.94 100	3.13 79,4	— —	3.500 88,9	3.187 80,9	5415	
— —	3.94 100	3.13 79,4	— —	3.500 88,9	3.187 80,9	5416	



BEAU PLUG — SOCKET

15 Amps/Series 5400

Cable mounting styles

Mounting hardware	Plug and Socket		Pre-grounding		Connector dimensions				Connector dimension drawings
	No. of Contacts	Cat. No. (P- or S-)	No. of Contacts	Cat. No. (PG- or SG-)	D† In. mm		T In. mm		Dimensions: inches (mm)
FHE Flared Hole End 	4	5404	5	5405	.44	11,1	1.23	31,4	Fig. J 
	6	5406	7	5407	.44	11,1	1.67	42,5	
	8	5408	9	5409	.56	14,3	2.11	53,6	
	10	5410	11	5411	.56	14,3	2.55	64,7	
	12	5412	13	5413	.63	15,9	2.98	75,8	
	14	5414	—	—	.63	15,9	2.98	75,8	
	15	5415	—	—	.63	15,9	2.98	75,8	
16	5416	—	—	.63	15,9	2.98	75,8		
FHT Flared Hole Top 	4	5404	5	5405	.44	11,1	1.23	31,4	Fig. K 
	6	5406	7	5407	.44	11,1	1.67	42,5	
	8	5408	9	5409	.56	14,3	2.11	53,6	
	10	5410	11	5411	.56	14,3	2.55	64,7	
	12	5412	13	5413	.63	15,9	2.98	75,8	
	14	5414	—	—	.63	15,9	2.98	75,8	
	15	5415	—	—	.63	15,9	2.98	75,8	
16	5416	—	—	.63	15,9	2.98	75,8		
CCE Cable Clamp End 	4	5404	5	5405	.44	11,1	1.23	31,4	Fig. L 
	6	5406	7	5407	.44	11,1	1.67	42,5	
	8	5408	9	5409	.56	14,3	2.11	53,6	
	10	5410	11	5411	.56	14,3	2.55	64,7	
	12	5412	13	5413	.63	15,9	2.98	75,8	
	14	5414	—	—	.63	15,9	2.98	75,8	
	15	5415	—	—	.63	15,9	2.98	75,8	
16	5416	—	—	.63	15,9	2.98	75,8		
CCT Cable Clamp Top 	4	5404	5	5405	.44	11,1	1.23	31,4	Fig. M 
	6	5406	7	5407	.44	11,1	1.67	42,5	
	8	5408	9	5409	.56	14,3	2.11	53,6	
	10	5410	11	5411	.56	14,3	2.55	64,7	
	12	5412	13	5413	.63	15,9	2.98	75,8	
	14	5414	—	—	.63	15,9	2.98	75,8	
	15	5415	—	—	.63	15,9	2.98	75,8	
16	5416	—	—	.63	15,9	2.98	75,8		

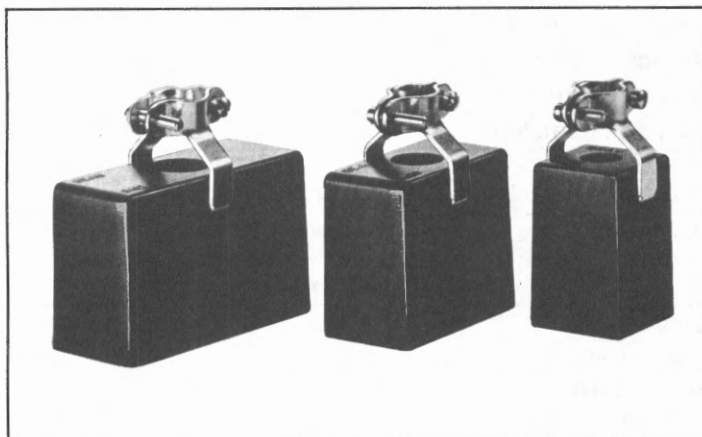
†For non-standard hole sizes, consult factory.

BEAU PLUG — SOCKET

15 Amps/Series 5400



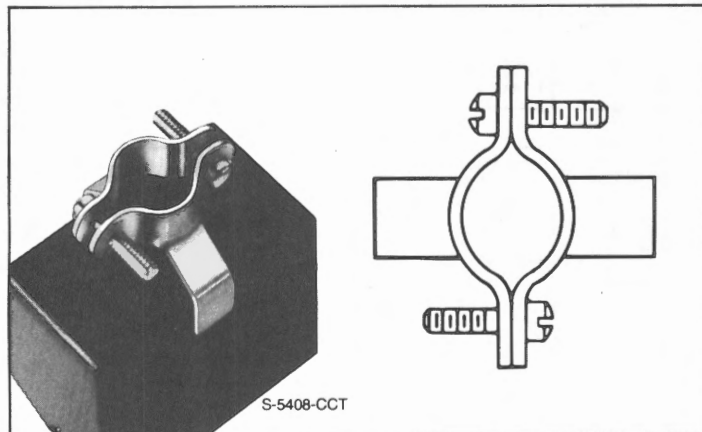
Cable mounting hardware



Backshells

Thermoplastic (standard). These molded thermoplastic backshells, exclusively from Vernitron, provide greater dielectric strength — and greater safety than metal backshells. They are also highly resilient, non-denting, non-rusting, acid resistant. U.L. recognized. CSA certified. Color, black.

Metal (option -M). Available upon request. Made of zinc plated steel, chromate dipped and painted with baked black wrinkle enamel finish. Furnished with insulating paper liners. U.L. recognized, CSA certified.

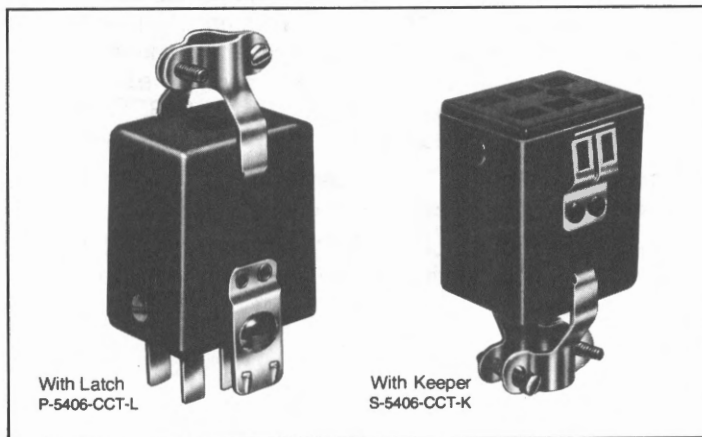


Cable clamps

Strain relief cable clamps, used with round cable. For top mounting (-CCT) or end mounting (-CCE).

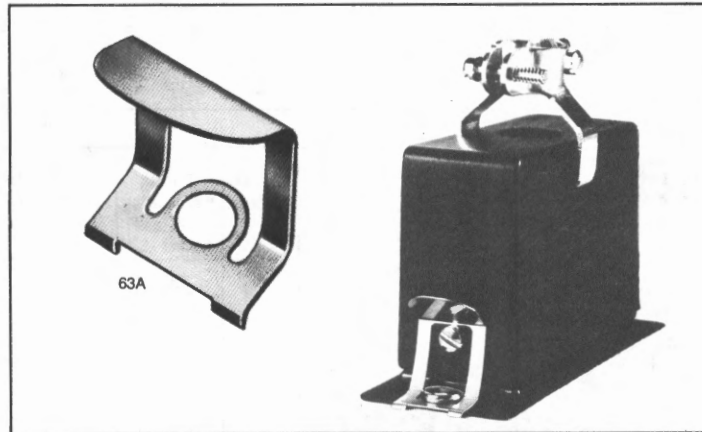
For connector size	Clamp opening diam, in. (mm)		Clamp Cat. No.
	min	max	
STANDARD CLAMP SIZES			
5404 thru 5406	.38" (9,7)	.72" (18,3)	36*
5408 thru 5416	.38" (9,7)	.84" (21,3)	36A*
CLAMP OPTIONS			
5404 thru 5416	.45" (11,4)	.91" (23,1)	78
5404 thru 5416 for CCE mating DB	.38" (9,7)	.72" (18,3)	47

*Order number not required. This clamp size automatically furnished when ordering -CCT or -CCE.



Latch (-L) and Keeper (-K)

For connecting two cable-mounted connectors. Plug and socket can be equipped with either a latch (-L) or keeper (-K).



63A Panel lock and stud

For locking a cable-mounted connector to a panel-mounted connector. In panel mounting applications, the 63A lock mounts with the same screw used to secure the bracket. The stud is built into the backshell; to order, add dash number to connector catalog number (two types available; see table below). Panel locks are ordered separately: Catalog No. 63A (also specify panel mounting style SB or DB).

Mounting hardware	Connector sizes	Stud Cat. No.
SB Shallow bracket	5404 thru 5416	-63A-SB
DB Deep bracket	5404 thru 5416	-63A-DB



BEAU PLUG — SOCKET

50 Amps/Series 5500

For panel interface mounting

Heavy-duty Beau 5500 connectors are compatible with "Series 500 type." The 5500 series is a rectangular blade type connector rated at 50 amps — the only 50 amp connector of any kind with the wide range of 2 to 16 contacts. The 5500 plug and socket are made with Shallow Bracket (-SB) hardware for panel mounting.

Hermaphroditic option: Available with any combination of male and female contacts in both halves.

Typical applications include heavy-duty battery powered equipment, lighting, heating and cooling systems, large power supplies, etc.

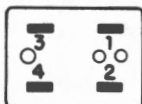
Contact orientation

The polarization arrangement numbers shown are for *sockets*, as viewed from the wiring side. Plug numbering is the opposite.

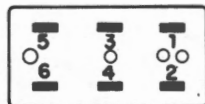
○ = polarizing position



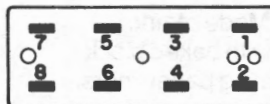
5502



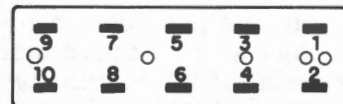
5504



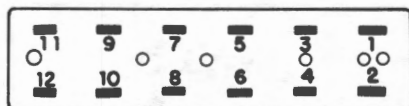
5506



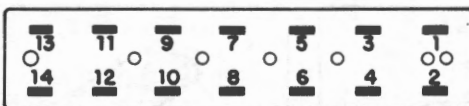
5508



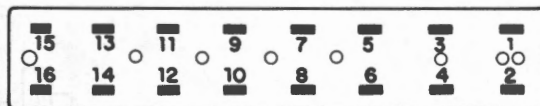
5510



5512



5514



5516

SB Shallow Bracket

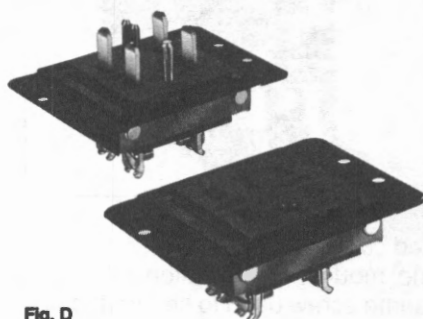
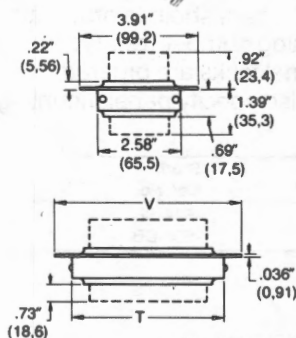


Fig. D



Dimensions: inches (mm)

No. of Contacts	Catalog No. — Plug (P-), and Socket (S-)	In./mm	Connector dimensions		Panel mounting dimensions (suggested)		Panel dimension drawings (suggested)
			T	V	A	C	
2	5502	in. mm	1.33 33,7	1.94 49,2	— —	1.63 41,3	Fig. E
4	5504	in. mm	2.14 54,4	2.75 69,8	.81 20,6	2.44 61,9	Fig. F
6	5506	in. mm	2.95 75,0	3.56 90,5	1.62 41,1	3.25 82,6	
8	5508	in. mm	3.75 95,3	4.38 111	2.44 62,0	4.06 103	
10	5510	in. mm	4.56 116	5.19 132	3.25 82,6	4.88 124	Fig. G
12	5512	in. mm	5.38 137	6.00 152	2.03 51,6	5.69 144	
14	5514	in. mm	6.19 157	6.81 173	2.44 62,0	6.50 165	
16	5516	in. mm	7.00 178	7.63 194	2.84 72,1	7.31 186	

Specifications

Current rating, individual contacts	50 amps
Voltage rating, rms	600 volts
No. of contacts	2 to 16
Plug contact material	Brass, cadmium plated
Plug contact dimensions (exposed contact surface)	.72" L x .32" W x .09" thick (18,3 x 8,1 x 2,3 mm)
Socket contact	Phosphor bronze, cadmium plated. Double-wipe socket engages both sides of plug contacts
Contact tails	No. 10-32 binding head screw
Contact plating options (add dash number to catalog number)	-03: .0003" (8μm) silver -04: .000015" (0,4μm) gold over .0002" (5μm) nickel -05: .00001" (0,3μm) rhodium over .0002" (5μm) nickel
Base insulating material	High-grade phenolic, black
Shallow bracket material	Steel, baked black wrinkle enamel finish over zinc chromate plating

BEAU PLUG — SOCKET

40, 45 and 60 Amps/Series 5600



Now, a high-current connector that fits in a small space.

Here's a new, space-saving way to connect up to five circuits. Beau Series 5600 connectors take less than half the panel space of the typical high-current 5-contact round connectors. Rugged and reliable, the new rectangular connectors are designed to fit into narrow spaces.

Modular contact arrangements.

Each connector has five modules for mating up to five circuits. When fewer circuits or a polarized arrangement is desired, the connectors can be furnished with one or more module positions molded closed. Also, they can be furnished with three types of contact terminations (option) to handle different ranges of wire sizes. The contact terminations can be placed in any sequence desired.

Lowest cost per circuit.

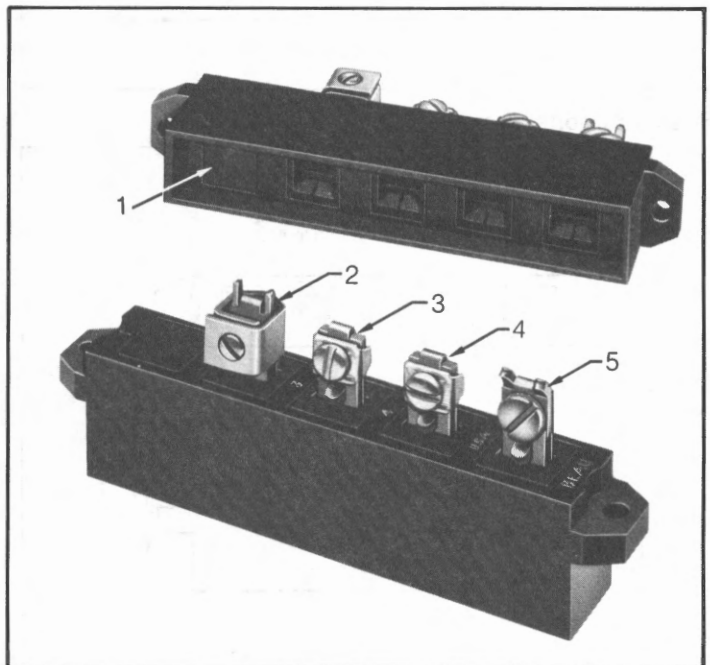
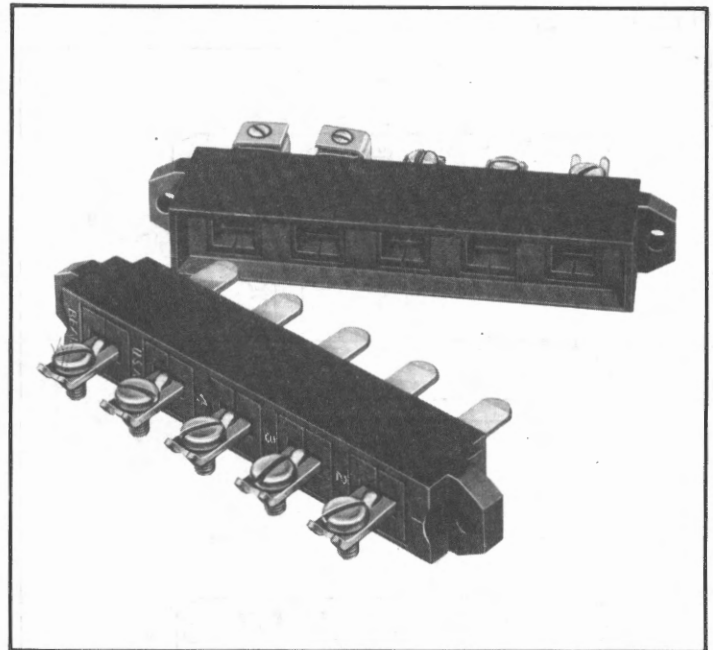
The 5600 series connectors achieve a cost per circuit that is considerably below the typical high-current 5-contact round connector.

Rugged, durable blades.

Beau flat-blade connectors are known for their ruggedness and reliability. The floating contact design makes mating and unmating smooth and sure. With double-wipe contacts in the socket, the maximum surface area of plug and socket are mated, obtaining the necessary contact pressure. The result—low contact resistance and high current-carrying capacity.

Easy field installation.

No special tools are required. Screw terminations eliminate the need to solder.



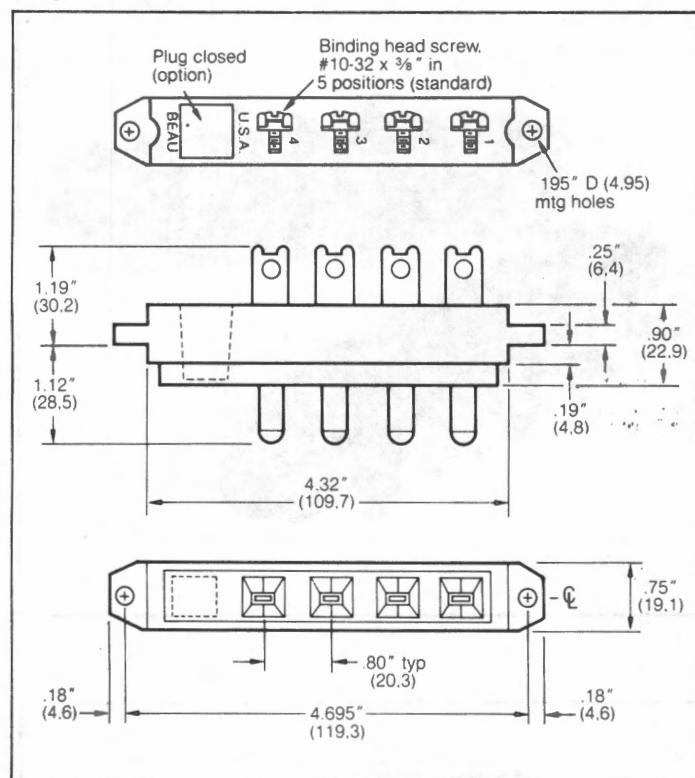
The five modules in the connector can be furnished in a variety of arrangements. Modules may be closed (position 1), or have wire pressure clamps (2), saddle clamps (3, 4), or binding head screws (5) in any sequence desired. Your application, wire size and current requirements determine the type of wire clamp to be used.



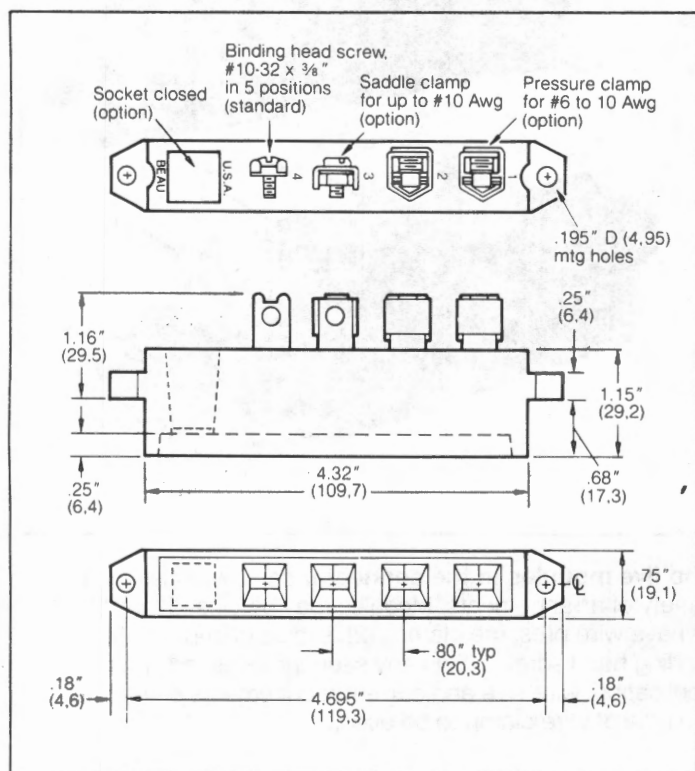
BEAU PLUG — SOCKET

40, 45 and 60 Amps/Series 5600

Plug dimensions



Socket dimensions



Dimensions in parentheses are millimeters.

Specifications

Current rating, max per contact, continuous (UL recognized)	40 amps	45 amps	60 amps
Plug contact material	Brass, unplated	Brass, unplated	Silver copper unplated
Socket contact material	Phosphor bronze, unplated	Beryllium copper, unplated	Beryllium copper, unplated
Voltage rating, rms industrial (UL)	250 volts		
No. of contacts	1 to 5		
Base insulating material	Thermoplastic. UL flame retardant rating 94V-0. Temp. rating, 95°C. Color black.		
Plug contact material	Brass, unplated (standard). —AgCu: silver copper, unplated (option: add dash no. to catalog no.)		
Socket contact material	Phosphor bronze, unplated (standard). —BeCu: Beryllium copper, unplated (option: add dash no. to catalog no.) Double-wipe socket engages both sides of plug contact		
Plug and socket contact terminations (standard)	#10-32 binding head screws		
Plug and socket contact terminations (options; add dash number to catalog number)	-50: Pressure clamp (for #6 to 10 Awg) -30: Saddle clamp (for up to #10 Awg)		
Contact plating (options; add dash number to catalog number)	-02: Cadmium -03: Silver -04: Gold -05: Rhodium -07: Tin		
Hermaphroditic (option)	Available with any combination of male and female contacts in both halves		
Mounting (standard)	-AB: End brackets, molded in		

How to order

P	5 6	0 5	AB	04
Plug = P Socket = S	Series No.	Number of Contacts 1 thru 5	Mounting End Bracket, molded in	Options (Add dash numbers as needed)

Contact material: —BeCu Beryllium copper sockets, unplated —AgCu Silver copper plugs, unplated	Contact terminations: —50 Pressure clamp —30 Saddle clamp	Contact plating: —02 Cadmium —03 Silver —04 Gold —05 Rhodium —07 Tin
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