SD55917

CONDUCTORS ACCOMMODATED AWG. STRANDED	AWG. SOLID	METRIC WIRE SIZE STRANDED	METRIC WIRE SIZE SOLID	CATALOG NUMBER FIGURE 1	CATALOG NUMBER FIGURE 2	J REF	P ±.02	B MIN EFF THD	CFy ±.02	Wy REF	H_1 ±.03	L_1 ±.03	Q_1 ±.03	CFx ±.02	Wx REF	H_2 ±.03	L_2 ±.03	Q_2 ±.03	NUT TORQUE LBS * IN [N * M]	STUD TORQUE LBS * IN [N * M]
12 (.092 DIA) 9 (.130 DIA)	12 (.081 DIA) 8(.128 DIA)	[4mm² (2.6 DIA)] [6mm² (3.2 DIA)]	[4mm² (2.3 DIA)] [6mm² (2.8 DIA)]	KC15	K2C15	1/4-20 UNC-2A	.14 [3.6]	.37 [9.4]	.38 [9.7]	.44 [11.2]	.69 [17.5]	1.19 [30.2]	.53 [13.5]	.50 [12.7]	.56 [14.2]	.81 [20.6]	1.31 [33.3]	.66 [16.8]	80 [9.0]	80 [9.0]
				KC15B1	K2C15B1			.87 [22.1]				1.69 [42.9]					1.81 [46.0]			
10 (.116 DIA) 7 (.164 DIA)	10 (.102 DIA) 6 (.162 DIA)	[6mm² (3.2 DIA)] [10mm² (4.1 DIA)]	[6mm² (2.8 DIA)] [10mm² (3.6 DIA)]	KC17	K2C17	1/4-20 UNC-2A	.17 [4.2]	.37 [9.4]	.44 [11.2]	.50 [12.7]	.84 [21.3]	1.34 [34.0]	.66 [16.8]	.62 [15.7]	.69 [17.5]	1.00 [25.4]	1.50 [38.1]	.81 [20.6]	80 [9.0]	80 [9.0]
				KC17B1	K2C17B1			.87 [22.1]				1.84 [46.7]					2.00 [50.8]			
10 (.116 DIA) 5 (.206 DIA)	10 (.102 DIA) 4 (.204 DIA)	[6mm² (3.2 DIA)] [16mm² (5.1 DIA)]	----------	KC20	K2C20	5/16-18 UNC-2A	.22 [5.5]	.41 [10.4]	.50 [12.7]	.58 [14.7]	.86 [21.8]	1.42 [36.1]	.70 [17.8]	.69 [17.5]	.78 [19.8]	1.06 [26.9]	1.62 [41.1]	.91 [23.1]	165 [18.6]	180 [20.3]
				KC20B1	K2C20B1			.85 [21.6]				1.92 [48.8]					2.06 [52.3]			
10 (.116 DIA) 3 (.260 DIA)	10 (.102 DIA) 2 (.258 DIA)	[6mm² (3.2 DIA)] [25mm² (6.5 DIA)]	----------	KC22	K2C22	3/8-16 UNC-2A	.26 [6.7]	.46 [11.7]	.62 [15.7]	.72 [18.3]	1.00 [25.4]	1.62 [41.1]	.81 [20.6]	.75 [19.1]	.84 [21.3]	1.25 [31.8]	1.88 [47.8]	1.06 [26.9]	275 [31.1]	280 [31.6]
				KC22B1	K2C22B1			.96 [24.4]				2.12 [53.8]					2.38 [60.5]			
8 (.146 DIA) 2 (.292 DIA)	10 (.102 DIA) 1 (.289 DIA)	[10mm² (4.1 DIA)] [35mm² (6.5 DIA)]	----------	KC23	K2C23	3/8-16 UNC-2A	.32 [8.2]	.46 [11.7]	.62 [15.7]	.72 [18.3]	1.05 [26.7]	1.67 [42.4]	.86 [21.8]	.81 [20.6]	.94 [23.9]	1.34 [34.0]	1.97 [50.0]	1.16 [29.5]	275 [31.1]	280 [31.6]
				KC23B1	K2C23B1			.97 [24.6]				2.19 [55.6]					2.47 [62.7]			
2 (.292 DIA) 1/0 (.373 DIA)	2 (.258 DIA) 2/0 (.365 DIA)	[35mm² (6.5 DIA)] [50mm² (9.3 DIA)]	----------	KC25	K2C25	1/2-13 UNC-2A	.39 [9.8]	.53 [13.5]	.75 [19.1]	.88 [22.4]	1.19 [30.2]	1.94 [49.3]	1.00 [25.4]	.93 [23.6]	1.15 [29.2]	1.56 [39.6]	2.31 [58.7]	1.38 [35.1]	385 [43.5]	480 [54.2]
				KC25B1	K2C25B1			1.04 [26.4]				2.44 [62.0]					2.81 [71.4]			
				FIGURE 3	FIGURE 4	REF	±.05		±.03	REF	±.05	±.05	±.05	±.03	REF	±.05	±.05	±.05		
2 (.292 DIA) 2/0 (.419 DIA)	2 (.258 DIA) 3/0 (.410 DIA)	[35mm² (6.5 DIA)] [70mm² (9.3 DIA)]	----------	KC26	K2C26	1/2-13 UNC-2A	.44 [11.0]	.52 [13.2]	.88 [22.4]	1.01 [25.7]	1.38 [35.1]	2.12 [53.8]	1.16 [29.5]	1.04 [26.4]	1.28 [32.5]	1.81 [46.0]	2.53 [64.3]	1.56 [39.6]	385 [43.5]	480 [54.2]
				KC26B1	K2C26B1			1.04 [26.4]				2.62 [66.5]					3.09 [78.5]			
1 (.332 DIA) 4/0 (.528 DIA)	1 (.289 DIA) 4/0 (.460 DIA)	[50mm² (9.3 DIA)] [95mm² (12.8 DIA)]	----------	KC28	K2C28	5/8-11 UNC-2A	.55 [14.0]	.75 [19.1]	1.18 [30.0]	1.00 [25.4]	1.94 [49.3]	2.95 [74.9]	1.67 [42.4]	1.35 [34.3]	1.56 [39.6]	2.46 [62.5]	3.44 [87.4]	2.20 [55.9]	500 [56.5]	660 [74.6]
				KC28B1	K2C28B1			1.25 [31.8]				3.45 [87.6]					3.94 [100.1]			
1 (.332 DIA) 350 Kcmil(.681 DIA)	---------- ----------	[50mm² (9.3 DIA)] [150mm² (16.0 DIA)]	---------- ----------	KC31	K2C31	5/8-11 UNC-2A	.70 [17.8]	.75 [19.1]	1.43 [36.3]	1.29 [32.8]	2.19 [55.6]	3.19 [81.0]	1.84 [46.7]	1.69 [42.9]	1.91 [48.5]	2.88 [73.2]	3.88 [98.6]	2.53 [64.3]	650 [73.4]	660 [74.6]
				KC31B1	K2C31B1			1.23 [31.2]				3.69 [93.7]					4.38 [111.3]			
3/0 (.470 DIA) 500 Kcmil(.813 DIA)	---------- ----------	[95mm² (12.8 DIA)] [240mm² (20.3 DIA)]	---------- ----------	KC34	K2C34	3/4-10 UNC-2A	.85 [21.5]	.99 [25.1]	1.62 [41.1]	1.45 [36.8]	2.38 [60.5]	3.62 [91.9]	1.97 [50.0]	2.00 [50.8]	2.28 [57.9]	31.9 [81.0]	4.44 [112.8]	2.78 [70.6]	825 [93.2]	1050 [118.7]
				KC34B1	K2C34B1			1.49 [37.8]				4.12 [104.6]					4.94 [125.5]			
350 Kcmil(.681 DIA) 750 Kcmil(.998 DIA)	---------- ----------	[185mm² (17.8 DIA)] [300mm² (22.6 DIA)]	---------- ----------	KC39	K2C39	7/8-9 UNC-2A	1.01 [25.7]	1.13 [25.4]	1.88 [47.8]	1.92 [48.8]	2.94 [74.7]	4.32 [109.7]	2.53 [64.3]	2.31 [58.7]	2.62 [66.5]	3.94 [100.1]	5.32 [135.1]	3.53 [89.7]	1000 [113.0]	1700 [192.1]
				KC39B1	K2C39B1			1.63 [41.4]				4.82 [122.4]					5.82 [147.8]			
500 Kcmil(.813 DIA) 1000 Kcmil(1.152 DIA)	---------- ----------	[300mm² (22.6 DIA)] [500mm² (28.3 DIA)]	---------- ----------	KC44	K2C44	1-8 UNC-2A	1.17 [29.6]	1.19 [30.2]	2.12 [53.8]	2.12 [53.8]	3.23 [82.0]	4.73 [120.1]	2.83 [71.9]	2.56 [65.0]	2.91 [73.9]	4.39 [111.5]	5.89 [149.6]	3.99 [101.3]	1100 [124.3]	2550 [288.2]
				KC44B1	K2C44B1			1.69 [42.9]				5.23 [132.8]					6.42 [163.1]			

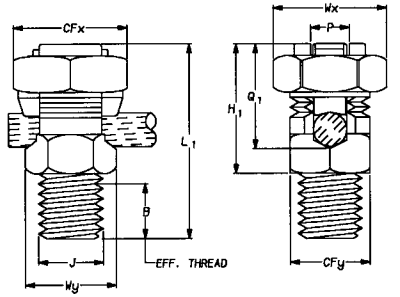


FIG. 1

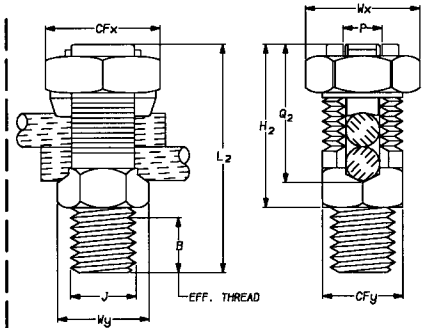


FIG. 2

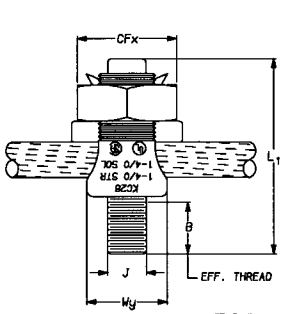


FIG. 3

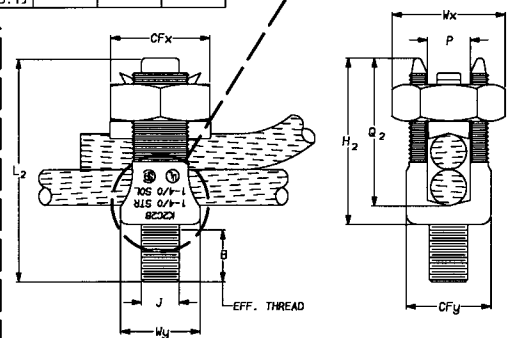
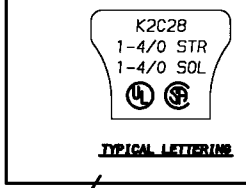


FIG. 4



TYPICAL LETTERING

NOTES:

1. MATERIAL: LEADED COMMERCIAL BRONZE
2. FINISH: NONE
3. ALL ITEMS ARE UL 486A LISTED, FILE NO. E9498 AND CSA LISTED C22.2 NO. 65, FILE NO. 42861. UNLESS OTHERWISE NOTED.
4. DIMENSIONS IN [ ] BRACKETS ARE IN MILLIMETERS ROUNDED OFF TO THE NEAREST TENTH OF A MILLIMETER, UNLESS OTHERWISE NOTED AND ARE FOR REFERENCE ONLY.

REV.	DATE	DESCRIPTION	BY	C'K'D.
19	11/11/98	REMOVED NOTE 3. CHANGED FILE NO. FROM 42862, TO 42861 PER ECO 45254	KRB	BM
18	3/15/96	ADDED TOLERANCES. CHANGED STRANDED DIA'S FOR KC25, AND KC26 SIZED PER PCN 2710.	RDP	JLM
17	11/30/95	CHANGED CF DIM. FOR KC01 SERIES AND KC21 SERIES, TO MATCH CF DIM. FOR KC01 SERIES PER ECO 25682	JWA	JLM
16	8/30/95	RECTIFIED TABLE AND UPDATED DRAWING FORMAT PER ECN 25092	JWA	JLM
15	7/22/94	ADDED 1/0 STR, 2/0 WIRE HI, L1, B1, CAT NO. KC25-AWG SOLID WIRE SIZE WAS .410 DIA. (ECN 18492)	JPG	DGF
14	4/19/94	REVISION TO CAT. ADDED METRIC DIMENSIONS. ADDED VIEWS PER PCN 1711 AND PCN 1868	RDP	DGF

SERVIT POST™ -MALE

CAT NO. KC--, K2C-- (SEE TABLE) — SCALE FULL SIZE

DRAWN: ARM 4/16/84 CHECKED: LST 4/25/94

DSGN APPVL.: C PALASI 4/94 MFG APPVL.:

Q.A. APPVL.: A LLOYD 4/94 MKTG APPVL.: P WERTHMAN 4/94

CAD FILE: SD55917-01_19 PM REF. N/A

MDL REF. N/A

FRAMATOME CONNECTORS USA INC. BURNDY ELECTRICAL

MANCHESTER, NH 03108 U. S. A. 1-800-346-4175

PROJECT: PCN 1711, 1556

DRAWING NO. SD55917 REV 19

SHEET 1 OF 1

REV. 061995