

Issue Date: 1/21/2013

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File: PSS-K655BCCP

15/25kV	600 Series ComboT Elbow/ Connecting plug w/Stud	w/o Test Point	K655BCCPW0X
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Features:

- Each combination elbow/connecting plug reduces stack height by 2.67"
- Simple connection system reduces the chance of cross threading and is easier to line up and install
- Allows reduced number of interfaces and reduced inventory
- Installs with standard assembly tools
- Internal hex broach ensures proper installation torque
- IEEE 386 color coded PBT interface that provides better visibility, a seating indicator, and reduces sticking

K655BCCPW0X ComboT Elbow/ Connecting Plug w/Stud

Applications:

The 15/25kV CCP simple design makes assembly quick and easy, utilizing a standard $\frac{5}{8}$ " – 11 stud that is threaded into the equipment bushing. The hollow bore of the ComboT allows visual validation that the compression lug is positioned properly before the snuffer/bus is inserted and tightened. If preferred, the stud may be first threaded into the snuffer/bus. Again, the hollow bore of the ComboT allows visual validation that the compression lug is correctly positioned before proceeding.

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

For 15kV Voltage Class:

8.3kV Max Phase-to-Ground – Operating Voltage
14.4kV Max Phase-to-Phase
95kV BIL – Impulse Withstand (1.2 x 50 μ s wave)
34kV AC – One minute withstand
53kV DC – 15 minutes withstand
11kV AC – Corona Extinction @ 3pC sensitivity

For 25kV Voltage Class:

15.2kV Max Phase-to-Ground – Operating Voltage
26.3kV Max Phase-to-Phase
125kV BIL – Impulse Withstand (1.2 x 50 μ s wave)
40kV AC – One minute withstand
78kV DC – 15 minutes withstand
19kV AC – Corona Extinction @ 3pC sensitivity

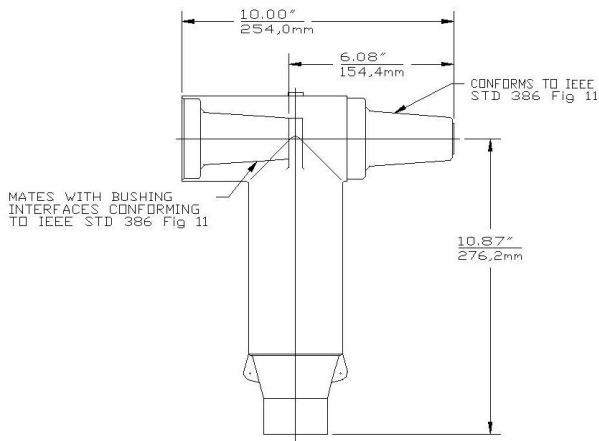
200 A Loadbreak Interface

200 Amp – Continuous and Loadbreak
10kA Sym – 10 Cycles Momentary & Fault Close

600 A Deadbreak Connection

600 Amp – Continuous
25kA Sym – 10 Cycle Momentary

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Catalog Number Selection:

Step 1 – Selecting proper W Code

- Determine the insulation diameter of the cable. Select the insulation letter code that best straddles the insulation diameter from the W table below. Insert into the catalog number.

Step 2

- Insert conductor material code.

Step 3 – Selecting proper X code

- Choose the proper compression lug code according to the conductor size from X table below. Insert code into catalog number.

Example:

The ordering number for a 15/25kV, 200/600A loadbreak connecting plug without test point for a 4/0 stranded, 175 mil wall cable with an insulation diameter of .940" (23.4 mm) is K655BCCPH0270.

K655BCCP - 0

Cable Insulation Dia. Range				W Code
Inches		mm		
0.640	0.820	16,3	20,8	F
0.760	0.950	19,3	24,1	G
0.850	1.050	21,6	26,7	H
0.980	1.180	24,9	30,0	J
1.090	1.310	27,7	33,3	K
1.180	1.465	30,0	37,2	L
1.280	1.430	32,5	36,3	LM
1.370	1.630	34,8	41,4	M
1.515	1.780	38,5	45,2	N
1.725	1.935	43,8	49,1	P

Each kit contains the following:

1	Elbow Connector Housing	K655BCCP
1	Stud	650SA
3	Compression Lug	03700XXX
1	Tube, Lubricant	82-08
1	Cable Adapter	655CA-W
1	Installation Instruction	IS-1218
1	Crimp Chart	CC-0050

X Code

X Code	AWG or kcmil		mm2	Connector Only
	Strand./Comp ressed	Solid/ Compact	Compact	Universal Aluminum
210	-	2	-	03700210
220	2	1	35	03700220
230	1	1/0	50	03700230
240	1/0	2/0		03700240
250	2/0	3/0	70	03700250
260	3/0	4/0	95	03700260
270	4/0	250	125	03700270
280	250	300	-	03700280
290	300	350	150	03700290
300	350	400	185	03700300
310	400	450	240	03700310
320	450	500/550	-	03700320
330	500	600	250/300	03700330
350	600	700	-	03700350
360	650	750	400	03700360
380	700/750	900	-	03700380
390	800	-	-	03700390
400	900	1000	500	03700400
410	1000	-	-	03700410
420	-	1250	-	03700420
440	250	-	-	03700440