

Issue Date: 6/26/2011

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File: PSS-K655CETP

25/28kV	600 Series Deadbreak Connector with integral 200A Loadbreak Tap	w/o Test Point	K655CETP
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Features:

- Includes hex-broach for torque in installation.
- Peroxide-cured insulation and jacket.
- Loadbreak interface is designed for energized operations.
- Blue loadbreak interface indicates 15kV class.
- Blue loadbreak interface provides enhanced visibility
- Blue loadbreak interface provides seating indicator

K655CETP Combo Elbow Tap Plug

Applications:

The 25/28kV 200A/600A loadbreak 655CETP elbow tap plug provides a 200-amp tap off of a mating 600 Amp connector test & ground, arrester install or a load tap. The integral combo design includes the new blue interface on loadbreak tap for easy installation and operation.

Ratings:

Standard ANSI/IEEE Standard 386

25/28 kV Voltage Class

25 kV Max Phase-to-Phase
125kV BIL-Impulse (1.2 x 50 Microsecond Wave)
40kV AC - One Minute Withstand
78kV DC -15 Minute Withstand
19kV AC - Corona Extinction @ 3pC Sensitivity

28 kV Max Phase-to-Phase
16.18kV phase to ground
140kV BIL-Impulse (1.2 x 50 Microsecond Wave)
45 kV AC - One Minute Withstand
21.5 kV AC - Corona Extinction @ 3pC Sensitivity

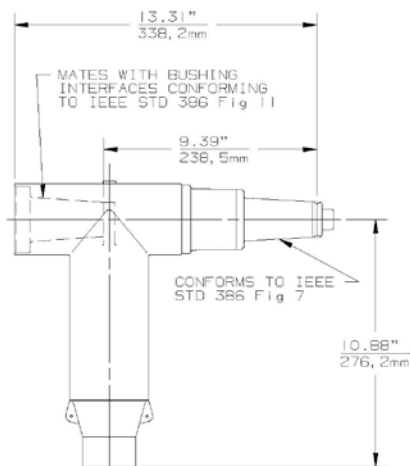
600A Interface:

600 Amp - Continuous current
25kA sym, 10 cycles momentary current

200A Interface:

200 Amp - Continuous and Load Break
10kA Sym - 10 Cycle & Fault Close

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K655CETP -

W Code

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	L
				M
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	K655BCETP
1	Stud	650SA
3	Compression Lug	03700XXX
1	Tube, Lubricant	82-08
1	Cable Adapter	655CA-W
1	Installation Instruction	IS-1216
1	Crimp Chart	CC-0050

Step 1 (W)

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

Step 2

Insert conductor material code.

Step 3 (X)

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

Alum.	0
CU	2
Bi-metal	5



Example:

The ordering number for a 25kV, 200/600A loadbreak tap connector without test point for a 4/0 stranded, 175 mil wall cable with an insulation diameter of .940" (23.4 mm) is K655CETPH0270.

X Code



AWG or kcmil		mm2	X Code	Connector Only		
Strand. /Compr essed	Solid/ Compact	Compact		Universal Aluminum	Copper	Bi-metal
-	2	-	210	03700210	03702210	04601210
2	1	35	220	03700220	03702220	04601220
1	1/0	50	230	03700230	03702230	04601230
1/0	2/0	-	240	03700240	03702240	04601240
2/0	3/0	70	250	03700250	03702250	04601250
3/0	4/0	95	260	03700260	03702260	04601260
4/0	250	125	270	03700270	03702270	04601270
250	300	-	280	03700280	03702280	04601280
300	350	150	290	03700290	03702290	04601290
350	400	185	300	03700300	03702300	04601300
400	450	240	310	03700310	03702310	04601310
450	500/550	-	320	03700320	03702320	04601320
500	600	250/300	330	03700330	03702330	04601330
600	700	-	350	03700350	03702350	04601350
650	750	400	360	03700360	03702360	04601360
700/750	900	-	380	03700380	03702380	04601380
800	-	-	390	03700390	03702390	04601390
900	1000	500	400	03700400	03702400	04601400
1000	-	-	410	03700410	03702410	04601410
-	1250	-	420	03700420	03702420	04601420
250	-	-	440	03700440	03702440	04601440