

Issue Date: 04/02/2014

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File: PSS-K656DLR-W0X

15/25kV	600A Deadbreak Direct Test Elbow	w/ Test Point	K656DLR-W0X
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Features:

- Fully rated 15/25kV, 600 Amp Deadbreak Elbow
- Fully shielded, fully submersible molded rubber housing
- 100% peroxide-cured construction includes insulation and conductive EPDM materials
- Can be easily connected or disconnected using standard hand tools and equipment in a de-energized state
- Optional accessories allow visible external separation, by-pass, isolation, dead-ending, grounding, and testing as well as adding taps, surge arrestors, and fault current indicators
- Direct conductor test point equipped elbow

K656DLR-W0X Direct Test Elbow Connector (with Test Point)

Applications:

The Elastimold® K656DLR-W0X Direct Test Elbow is a fully rated 15/25kV, 600 Amp Class deadbreak elbow connector which incorporates Elastimold® Direct Test System (EDTS) for isolation, testing, and grounding. EDTS includes an insulated port on the separable connector providing a direct path to the conductor. The port, along with a 600TC series meter adapter, provides a means for direct conductor voltage testing. An insulated and shielded cap covers the port in normal operation on the K656DLR-W0X. Once the circuit is de-energized and isolated by switching, the EDTS test can be used along with your normal procedures.

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

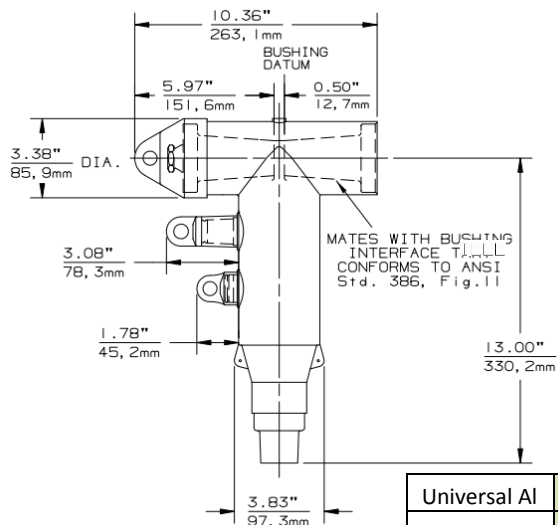
For 15kV Voltage Class:

8.3kV Max Phase-to-Ground – Operating Voltage
14.4kV Max Phase-to-Phase
95kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
34kV AC – One minute withstand
53kV DC – 15 minutes withstand
11kV AC – Corona Extinction @ 3pC sensitivity
600 Amp – Continuous
25kA Sym – 10 Cycles Momentary

For 28kV Voltage Class:

16.2kV Max Phase-to-Ground – Operating Voltage
28kV Max Phase-to-Phase
140kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
45kV AC – One minute withstand
84kV DC – 15 minutes withstand
21.5kV AC – Corona Extinction @ 3pC sensitivity
600 Amp – Continuous
25kA Sym – 10 Cycles Momentary

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Universal Al	0
CU	2
Bi-metal	5

K656DLR - W Code XXX Code

Cable Insulation Diameter in inches		Cable Insulation Diameter in millimeters		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.640	0.820	16.256	20.828	F
0.760	0.950	19.304	24.130	G
0.850	1.050	21.590	26.670	H
0.980	1.180	24.892	29.972	J
1.090	1.310	27.686	33.274	K
1.180	1.465	29.972	37.211	L
1.280	1.430	32.512	36.322	LM
1.370	1.630	34.798	41.402	M
1.515	1.780	38.481	45.212	N
1.725	1.935	43.815	49.149	P

Each kit contains the following:

- | | | |
|---|--------------------------|----------|
| 1 | Elbow connector housing | K656BDLR |
| 1 | Copper compression lug | 03700XXX |
| 1 | Stud | 650SA |
| 1 | Insulated Plug w/ Cap | K650BIP |
| 3 | Tube, lubricant | 82-08 |
| 1 | Cable adapter | 655CA-W |
| 1 | Installation Instruction | IS-0230 |
| 1 | Installation Instruction | IS-1142 |
| 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

Choose the proper connector material type and insert it into the catalog number.

Step 3 (X)

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

Example:

The ordering number for a 600 Amp Elbow Connector for a 4/0 stranded, 175 mil wall cable with an insulation diameter of .880" to .965" and direct test point is K656DLR-H0270.

X Code	AWG or kcmil		mm2	Connector Only		
	Strand./ Compr.	Solid/ Compact	Compact	Universal Aluminum	Copper	Bi-metal
210	-	2	-	03700210	03702210	04601210
220	2	1	35	03700220	03702220	04601220
230	1	1/0	50	03700230	03702230	04601230
240	1/0	2/0	-	03700240	03702240	04601240
250	2/0	3/0	70	03700250	03702250	04601250
260	3/0	4/0	95	03700260	03702260	04601260
270	4/0	250	125	03700270	03702270	04601270
280	250	300	-	03700280	03702280	04601280
290	300	350	150	03700290	03702290	04601290
300	350	400	185	03700300	03702300	04601300
310	400	450	240	03700310	03702310	04601310
320	450	500/550	-	03700320	03702320	04601320
330	500	600	250/300	03700330	03702330	04601330
340	550	650	-	03700340	03702340	04601340
350	600	700	400	03700350	03702350	04601350
360	650	750/800	-	03700360	03702360	04601360
380	700/750	900	-	03700380	03702380	04601380
390	800	-	500	03700390	03702390	04601390
400	900	1000	-	03700410	03702410	04601410
410	1000	-	-	03700410	03702410	04601410
420	-	1250	-	03700420	03702420	04601420
440	1250	-	-	03700440	03702440	04601440