

Issue Date: 11/09/2012

Page: 1 of 2

File: PSS-167DELR-W5X

15kV	200A Loadbreak Direct Test Repair Elbow	w/o Test Point	167DELR-W5X
------	--	----------------	-------------



Features:

- Extended length housing and compression lug
[+ 3-1/4" (82,6 mm)]
- 15kV, 200A Loadbreak Elbow Connector
- Fully shielded, fully submersible molded rubber housing
- 100% Peroxide-cured insulation, insert and jacket
- Provision for hot stick operation
- Provision for ground wire connection
- Wide cable range with minimum number of cable sizes

167DELR Direct Test Repair Elbow Connector

Applications:

The Elastimold® 167DELR Direct Test Repair Elbow is a fully rated 15kV, 200 Amp Class loadbreak elbow connector with a lengthened compression lug and housing and incorporates Elastimold® Direct Test System (EDTS). The Direct Test Repair Elbow accommodates cables that are too short to be connected with a standard elbow 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 200TC series meter adapter, provides a means for direct conductor voltage testing. The 167DELR is designed for connecting to and operating 15kV Class, 95kV BIL apparatus. Typical uses for the special characteristics of the 167DELR Direct Test Repair Elbow include the following:

- Repair of a failed elbow connection where the cable must be stripped back and a new compression lug applied.
- To gain extra length when cables have been accidentally trimmed too short or to connect new apparatus to existing cables.
- Direct voltage testing of a de-energized circuit with an adapter.

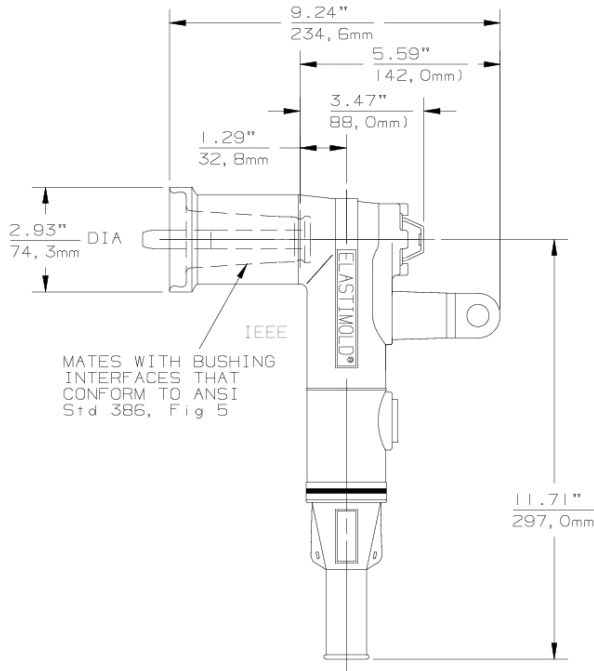
Ratings:

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

15kV	200A Loadbreak Direct Test Repair Elbow	w/o Test Point	167DELR-W5X
------	--	----------------	-------------



167DELR -

5

XXX Code

Cable Insulation Diameter in Inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.665	0.895	16.89	22.73	6689
0.740	0.950	18.80	24.13	7495
0.880	1.100	22.35	27.94	88110
1.090	1.310	27.69	33.27	K

XXX Code	Conductor Size AWG or kcmil			Connector only
	Strand./ Compr.	Solid/ Comp.	mm ²	Bi-Metal
190	-	#4	16.76	02509190
200	#4	#3	21.14	02509200
210	#3	#2	26.67	02509210
220	#2	#1	33.62	02509220
230	#1	1/0	42.41	02509230
240	1/0	2/0	53.49	02509240
250	2/0	3/0	67.43	02509250
260	3/0	4/0	85.01	02509260
270	4/0	250	26.67	02509270

CATALOG NUMBER SELECTION

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 (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 Direct Test Repair Elbow for a 1/0 compressed/stranded, 220 mil wall cable with an insulation diameter of .805\" to .895\" is 167DELR-7495-5240.

Each kit contains the following:

1	Elbow connector housing	167BDELR-W
1	Bi-metal compression lug	02509XXX
1	Probe wrench	271-94
1	Probe	166LRF
1	Tube, lubricant	82-08
1	Installation instruction	IS-1080
1	Crimp chart	CC-0020