

Issue Date: 11/09/2012

Page: 1 of 2

File: PSS-167RLR-W5X

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|------|----------------------------------|----------------|------------|
| 15kV | 200A Loadbreak Replacement Elbow | w/o Test Point | 167RLR-W5X |
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Features:

- Extended length housing and compression lug
[+ 10-1/2" (266,7 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

167RLR Loadbreak Replacement Elbow Connector

Applications:

The Elastimold® 167RLR Replacement Elbow is a fully rated 15kV, 200 Amp Class loadbreak elbow connector with a lengthened compression lug and housing. The Replacement Elbow accommodates cables that are too short to be connected with a standard elbow. The 167RLR is designed for connecting to and operating 15kV Class, 95kV BIL apparatus. Typical uses for the special characteristics of the 167RLR Replacement 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.
- Convert equipment connections from live front to dead front without changing cable.

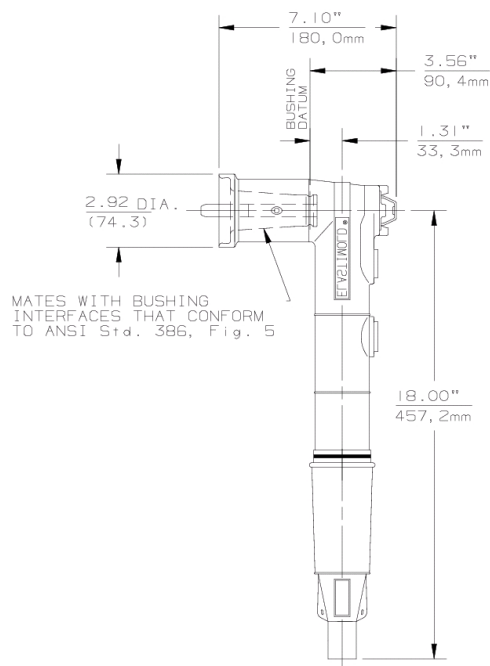
Ratings:

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

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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 Replacement Elbow for a 1/0 compressed/stranded, 220 mil wall cable with an insulation diameter of .805\" to .895\" is 167RLR-G5240.

167RLR - W Code 5 XXX Code

| Cable Insulation Diameter in Inches | | Cable Insulation Diameter in mm | | Symbol for W |
|-------------------------------------|-------|---------------------------------|-------|--------------|
| MIN. | MAX. | MIN. | MAX. | |
| 0.640 | 0.820 | 16.26 | 20.83 | F |
| 0.760 | 0.950 | 19.30 | 24.13 | G |
| 0.850 | 1.050 | 21.59 | 26.67 | H |
| 0.980 | 1.180 | 24.89 | 29.97 | J |
| 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 | 00400190 |
| 200 | #4 | #3 | 21.14 | 00400200 |
| 210 | #3 | #2 | 26.67 | 00400210 |
| 220 | #2 | #1 | 33.62 | 00400220 |
| 230 | #1 | 1/0 | 42.41 | 00400230 |
| 240 | 1/0 | 2/0 | 53.49 | 00400240 |
| 250 | 2/0 | 3/0 | 67.43 | 00400250 |
| 260 | 3/0 | 4/0 | 85.01 | 00400260 |
| 270 | 4/0 | 250 | 26.67 | 00400270 |

Each kit contains the following:

| | | |
|---|--------------------------|-----------|
| 1 | Elbow connector housing | 167BRLR-W |
| 1 | Bi-metal compression lug | 00400XXX |
| 1 | Probe wrench | 271-94 |
| 1 | Probe | 166LRF |
| 1 | Tube, lubricant | 82-08 |
| 1 | Installation instruction | IS-0417 |
| 1 | Hose clamp | 65-27-2 |
| 1 | Crimp chart | CC-0060 |