

Issue Date: 11/12/2012

Page: 1 of 3

File: PSS-168FLRH-W0X

15kV	200A Loadbreak Fused Elbow	w/ Test Point	168FLRH-W0X
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Features:

- Full-range current-limiting fusing with 50kA interrupting capability
- Hotstick operable 15kV Loadbreak Elbow switching
- Fully sealed and submersible
- Insulates, shields, and eliminates exposed live parts
- Split center section for easy fuse replacement
- Built in voltage test points for quick and convenient blown fuse indication

168FLR Loadbreak Fused Elbow Connector

Applications:

The Elastimold® 168FLR combines the advantages of Full-Range Current-Limiting Fusing with the convenience of 15kV hot stick operable, loadbreak elbow switching. This is the fastest, most cost effective way to improve the distribution system's reliability without adding a separate piece of switchgear or replacing existing sectionalizing cabinets. Simply replace existing 200 Amp loadbreak tap elbows with Elastimold® Fused Elbows to protect light duty underground distribution systems including sub-loops, and radial taps. Elastimold® Fused Elbows have been designed and tested per applicable portions of IEEE, ANSI, and other industry standards including:

ANSI C37.40 Standard for Current Limiting Fuse Service Conditions

ANSI C37.41 Standard for Current Limiting Fuse Design and Testing.

ANSI C37.47 Standard for Current Limiting Fuse Ratings and Specifications

IEEE 386 Standard for Separable Connectors.

Ratings:

Meets IEEE 386, ANSI C37.40, ANSI C37.41, and ANSI C37.47, Latest Revision

For 15kV Voltage Class:

8.3kV Nominal Fuse Voltage

10kV Max Rated Fuse Voltage

50/60 Hz - Frequency

95kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)

34kV AC – One minute withstand

53kV DC – 15 minutes withstand

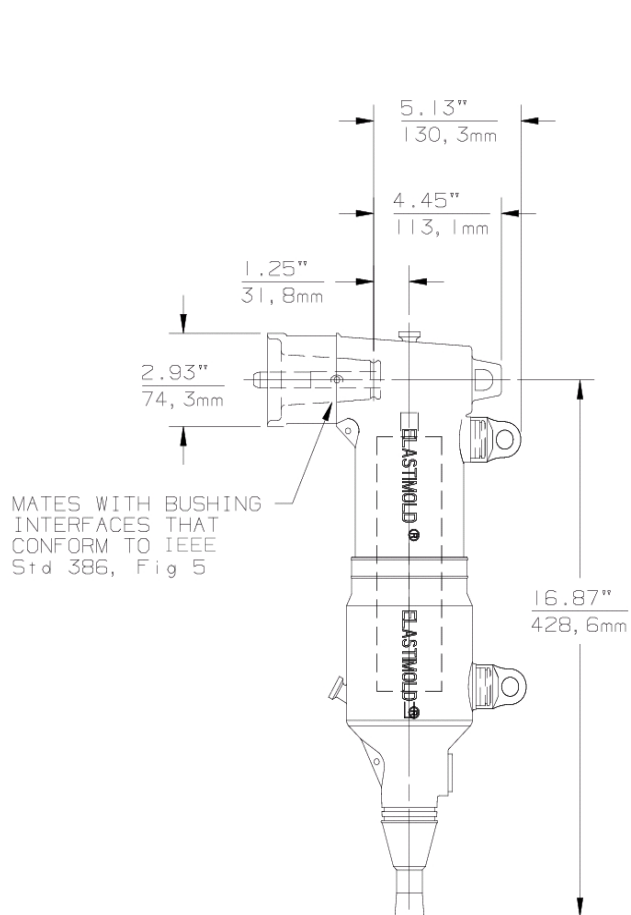
11kV AC – Corona Extinction @ 3pC sensitivity

50,000 Amp – Symmetrical Interrupting Capability

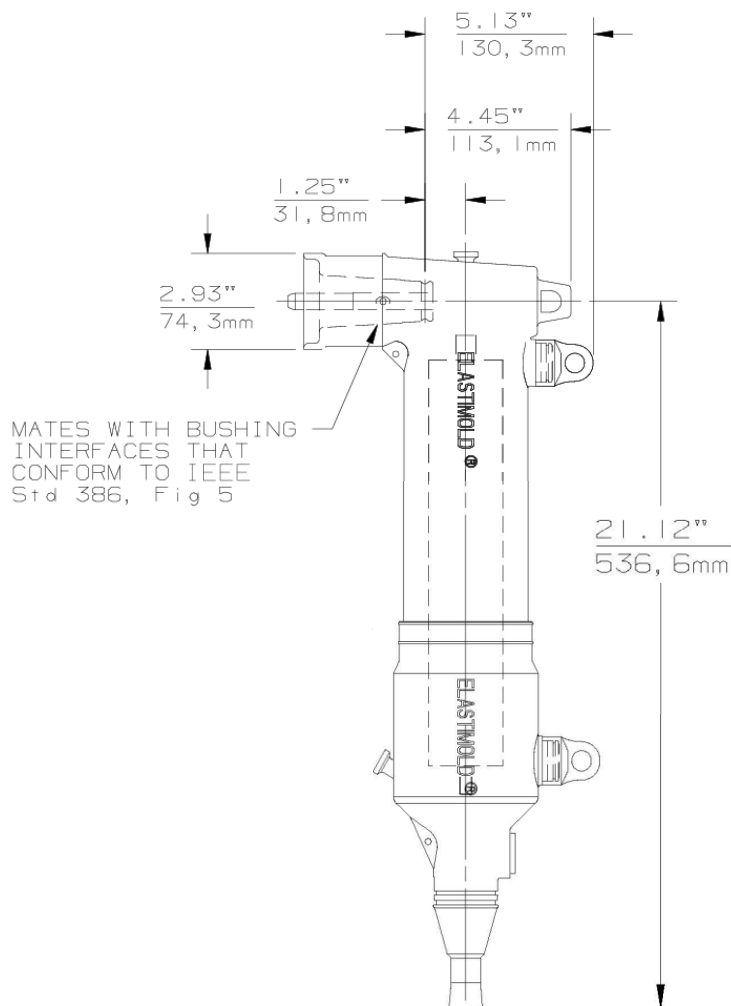
3-80 Amp – Current Rating

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PRODUCT HOUSING DRAWINGS



SIZE 1 HOUSING



SIZE 3 HOUSING

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CATALOG NUMBER SELECTION

Step 1 (H)

Select the housing size desired based on desired fuse.

Step 2 (W)

Step 2 (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 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 Fused Elbow for a 1/0 compressed, 220 mil wall cable with an insulation diameter of .805" to .895" and small housing and test point is 168FLR1-B0240.

Each kit contains the following:

1	Elbow connector housing	168BFLR-H
1	Crimp Connector	08605 XXX
1	Probe Lug	2000-103
4	Tube, lubricant	82-08
1	Installation instruction	IS-0926
1	Crimp chart	CC-0099

168FLR - H Code W Code 0 XXX Code

Housing		H
Fuse Size and Voltage		CODE
3-45A 8.3kV and 6-20A 15.5kV		1
65-80A 8.3kV and 3-45A 17.2kV		3

Cable Insulation Diameter in Inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.575	0.740	14.61	18.80	A
0.635	0.905	16.13	22.99	B
0.805	1.060	20.45	26.92	C
0.890	1.220	22.61	30.99	D

XXX Code

- 190
- 200
- 210
- 220
- 230
- 240
- 250
- 260
- 270

Notes:

* Copper compression lug suitable for all copper conductors only.

** Bi-metal compression lug with universal aluminum barrel suitable for copper or aluminum conductors.