

Issue Date: 11/12/2012

Page: 1 of 2

File: PSS- K151SP-W0X

|         |                              |                |            |
|---------|------------------------------|----------------|------------|
| 15/25kV | 200A Deadbreak Straight Plug | w/o Test Point | K151SP-W0X |
|---------|------------------------------|----------------|------------|



## Features:

- 15/25kV, 200 Amp Deadbreak Straight Plug
- Fully shielded, fully submersible molded rubber housing
- 100% peroxide-cured construction includes insulation and conductive EPDM materials
- Provision for ground wire connection
- Wide cable range with minimum number of sizes

## K151SP Deadbreak Straight Plug

### Applications:

The Elastimold® K151SP is designed to terminate UD cable having concentric neutral and extruded insulation shielding. It can be used to terminate other types of cable when installed with the proper Elastimold® cable shield adapter. The K151SP will accommodate conductor sizes of No. 4 solid through 4/0 stranded and cable insulation diameters from .575" to 1.220". The K151SP is designed to mate with the following Elastimold® products:

- K151T tee splice
- K151SR straight receptacle

### 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  
 10kA Sym – 10 Cycles Momentary

#### For 25kV Voltage Class:

15.2kV Max Phase-to-Ground – Operating Voltage  
 26.3kV Max Phase-to-Phase  
 125kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)  
 40kV AC – One minute withstand  
 78kV DC – 15 minutes withstand  
 19kV AC – Corona Extinction @ 3pC sensitivity  
 200 Amp – Continuous  
 10kA Sym – 10 Cycles Momentary

|         |                              |                |            |
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## CATALOG NUMBER SELECTION

### Step 1 (W)

Determine the insulation diameter of the cable.

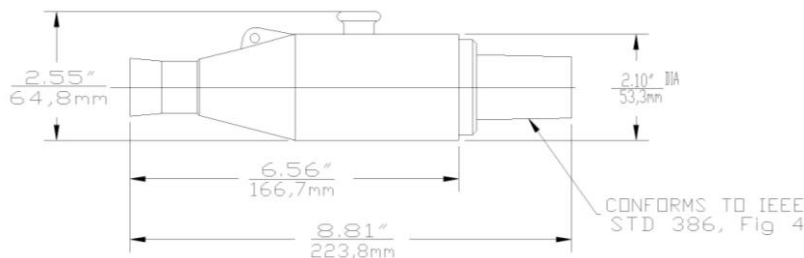
Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number.

### Step 2

Insert conductor material code from the Material Code table.

### Step 3 (X)

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



|          |   |
|----------|---|
| Aluminum | 0 |
| Copper*  | 2 |

K151SP

W Code



XXX Code



| Cable Insulation Diameter in inches |       | Cable Insulation Diameter in millimeters |        | Symbol for W |
|-------------------------------------|-------|------------------------------------------|--------|--------------|
| MIN.                                | MAX.  | MIN.                                     | MAX.   |              |
| 0.575                               | 0.740 | 14.605                                   | 18.796 | A            |
| 0.635                               | 0.905 | 16.129                                   | 22.987 | B            |
| 0.805                               | 1.060 | 20.447                                   | 26.924 | C            |
| 0.890                               | 1.220 | 22.606                                   | 30.988 | D            |

| X Code | Conductor Size AWG or kcmil |                |                 | Connector Only |          |
|--------|-----------------------------|----------------|-----------------|----------------|----------|
|        | Strand. / Compr.            | Solid/ Compact | mm <sup>2</sup> | Aluminum       | Copper*  |
| 190    |                             | #4             | 16.76           | 01600190       | 01602190 |
| 200    | #4                          | #3             | 21.14           | 01600200       | 01602200 |
| 210    | #3                          | #2             | 26.67           | 01600210       | 01602210 |
| 220    | #2                          | #1             | 33.62           | 01600220       | 01602220 |
| 230    | #1                          | 1/0            | 42.41           | 01600230       | 01602230 |
| 240    | 1/0                         | 2/0            | 53.49           | 01600240       | 01602240 |
| 250    | 2/0                         | 3/0            | 67.43           | 01600250       | 01602250 |
| 260    | 3/0                         | 4/0            | 85.01           | 01600260       | 01602260 |
| 270    | 4/0                         | 250            | 26.67           | 01600270       | 01602270 |

### Example:

The ordering number for a straight receptacle for a 1/0 stranded, 175 mil wall cable with a minimum insulation diameter of .725" and a maximum of .810" is K151SP-B0240.

### Each kit contains the following:

|   |                          |           |
|---|--------------------------|-----------|
| 1 | Straight Recep. Housing  | K151BSP-W |
| 1 | Receptacle pin connector | 01600XXX  |
| 1 | Tube, lubricant          | 82-08     |
| 1 | Installation instruction | IS-0080   |
| 1 | Crimp chart              | CC-0023   |

### Notes:

- \* Copper compression lug suitable for all copper conductors only.
- \* Bails are ordered separately and required.