



**600 AMP  
DEADBREAK PRODUCTS**

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<http://www.hubbellpowersystems.com>

NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.





## 600 AMPERE DEADBREAK ELBOW

The Hubbell Style 9U60 600 Ampere Deadbreak Elbow and accessories offer an easy, safe and reliable method of terminating and splicing main feeder circuits. The Style 9U60 Deadbreak Elbow is a fully shielded, molded rubber connector.

The 9U60 Deadbreak Elbow is designed to terminate power cables with copper or aluminum conductors ranging in sizes from 1/0 AWG to 1000MCM. It may be installed on any 600 ampere deadbreak apparatus bushing that meets IEEE Standard 386-1995 for Separable Insulated Connectors. Power cable insulation cable adapters style 9U60CA accommodate insulation diameters from .530 to 1.935 inches.

### Interchangeability

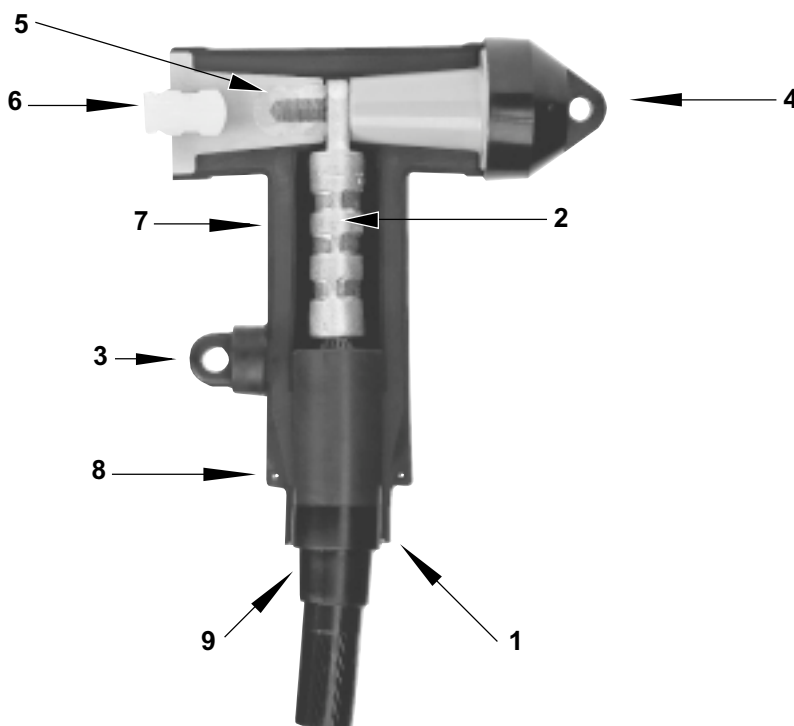
The Hubbell 9U60 Deadbreak Elbow has been designed and tested to meet the requirement of IEEE Standard 386. Conformance to this industry standard ensures mechanical and electrical interchangeability with other products of manufacturers that are also in conformance with the Standard.



| <b>ELECTRICAL SPECIFICATIONS</b> |             |             |
|----------------------------------|-------------|-------------|
| Continuous Current Rating        | 600 Amperes | 600 Amperes |
| Voltage Class                    | 15kV        | 25kV        |
| Line to Ground Voltage           | 8.3kV       | 15.2kV      |
| Basic Impulse Level (1.2x50μs)   | 95kV        | 125kV       |
| Corona Extinction (3pC)          | 11kV        | 19kV        |
| AC Withstand Voltage (1 min.)    | 34kV        | 40kV        |
| DC Withstand Voltage (15 min.)   | 53kV        | 78kV        |
| <b>100% Production Test</b>      |             |             |
| Corona (3pC)                     | 11kV        | 19kV        |
| AC Withstand (1 min.)            | 34kV        | 40kV        |



## STYLE 9U60 600 AMPERE DEADBREAK ELBOW



### Product Features

1. **Cable Adapter** - Designed to accept specified cable insulation diameters. Radial pressure exerted on the cable insulation by the cable adapter precludes the presence of corona causing air voids along the cable adapter and cable insulation interface. The outside diameter of the cable adapter is constant for all cable adapter sizes.
2. **Compression Connector** - Sized for the specific conductor size. Crimped with standard tools and dies.
3. **Test Point** - Designed to allow voltage indication when readout is made with suitable high impedance measuring devices. Elbows are available with and without this feature.
4. **Capacitive Test Point Cap** - Molded of conductive EPDM rubber providing a continuous outer shield for the elbow. Snaps tightly over the test point and onto the elbow body.
5. **Epoxy Insulating Plug** - Hex nut located on top of the insulating plug is used to "tighten" the plug when assembling the elbow. Manufactured using "state-of-the-art" epoxy technology also found in high voltage switchgear.
6. **Capacitive Test Point** - Designed to allow voltage indication when readout is made with suitable high impedance measuring devices.
7. **Molded External Shield** - Conductive abrasion-resistant 1/8 inch thick shield of peroxide cured EPDM rubber.
8. **Grounding Tab** - Designed to accept a single #14 awg copper wire that can be inserted into the eye. Provides a static ground to ensure personnel safety.
9. **Stress Relief Cone** - Designed into the cable adapter providing electrical stress relief at the point of terminating the power cable shield. Controls the electrical field entering the elbow.



## DEADBREAK ELBOW SELECTION AND ORDERING

Hubbell 600 ampere separable connectors may be ordered in three ways:

1. Individual Components
2. Complete Elbow Kits
3. Modular Splicing Kits

### 1. Component Part Numbers

| Component<br>Description           | Catalog Number | Catalog Number |
|------------------------------------|----------------|----------------|
|                                    | 15kV System    | 25kV System    |
| Elbow Housing (with test point)    | 9U60AABLR      | 9U60BABLR      |
| Elbow Housing (without test point) | 9U60ABBLR      | 9U60BBBLR      |
| Cable Adapter                      | 9U60CA“W” (1)  | 9U60CA“W” (1)  |
| Compression Connector              | 9U60LRC“X” (2) | 9U60LRC“X” (2) |
| Connector Plug                     | 9U60ACP        | 9U60BCP        |
| Insulating Plug (w/stud)           | 9U60ABIPS      | 9U60BBIPS      |
| Insulating Plug (w/o stud)         | 9U60ABIP       | 9U60BBIP       |
| 200amp Reducing Well (w/stud)      | 9U60ARTWS      | 9U60BRTWS      |
| 200amp Reducing Well (w/o stud)    | 9U60ARTW       | 9U60BRTW       |
| Standoff Bushing (w/stud)          | 9U60ASOPS*     | 9U60BSOPS*     |
| Standoff Bushing (w/o stud)        | 9U60ASOP*      | 9U60BSOP*      |
| Conversion Stud                    | 9U60STUD       | 9U60STUD       |
| Spanner Wrench                     | 9U60SW         | 9U60SW         |

(1) “W” refers to cable insulation diameter code. See cable insulation diameter table

(2) “X” refers to cable conductor size. See conductor size table.

\* Contact your Hubbell Power Systems representative for availability.



# DEADBREAK ELBOW KITS SELECTION AND ORDERING

The Hubbell Style 9U60 600 Ampere Deadbreak Elbow connects a power cable to a padmount switch or transformer equipped with an ANSI 600 ampere deadbreak bushing.

To order a complete elbow kit, select a catalog number using the tables below. The outside diameter of the power cable insulation and the cable conductor size determine the appropriate kit to order.

## Catalog Number 9U60BAH500

| System Voltage Code |      |
|---------------------|------|
| 15kV                | 25kV |
| A                   | B    |

| Test Point Code |         |
|-----------------|---------|
| With            | Without |
| A               | B       |

| Cable Insulation Diameter |        |       |      |      |
|---------------------------|--------|-------|------|------|
| Insulation Code           | Inches |       | mm   |      |
|                           | Min.   | Max.  | Min. | Max. |
| E                         | .530   | .680  | 13.5 | 17.3 |
| F                         | .640   | .820  | 16.3 | 20.8 |
| G                         | .760   | .950  | 19.3 | 24.1 |
| H                         | .850   | 1.050 | 21.6 | 26.7 |
| J                         | .980   | 1.180 | 24.9 | 30.0 |
| K                         | 1.090  | 1.310 | 27.7 | 33.3 |
| L                         | 1.180  | 1.465 | 30.0 | 37.2 |
| LM                        | 1.280  | 1.430 | 32.5 | 36.3 |
| M                         | 1.370  | 1.630 | 34.8 | 41.4 |
| N                         | 1.515  | 1.780 | 38.5 | 45.2 |
| P                         | 1.725  | 1.935 | 43.8 | 49.1 |

| Conductor Size    |            |         |
|-------------------|------------|---------|
| Size AWG or kcmil | Stranded   | Compact |
|                   | Compressed | Solid   |
| #2                | 002        | N/A     |
| #1                | 001        | 002     |
| 1/0               | 010        | 001     |
| 2/0               | 020        | 010     |
| 3/0               | 030        | 020     |
| 4/0               | 040        | 030     |
| 250               | 250        | 040     |
| 300               | 300        | 250     |
| 350               | 350        | 300     |
| 400               | 400        | 350     |
| 450               | 450        | 400     |
| 500               | 500        | 450     |
| 550               | 550        | 450     |
| 600               | 600        | 500     |
| 650               | 650        | 550     |
| 700               | 700        | 600     |
| 750               | 750        | 650     |
| 800               | 800        | 650     |
| 900               | 900        | 750     |
| 1000              | 1000       | 900     |



## MODULAR SPLICING KITS

The Hubbell Style 9U60 600 Ampere Deadbreak Elbow can also be used to splice power cables by assembling multiple elbows using epoxy accessory products. The epoxy accessories are manufactured using a propriety process not offered by other manufacturers of epoxy accessories.

To order Modular Splicing Kits, simply build your catalog number using the table below.

To order Hubbell Modular Splicing kits you must first specify the splicing application by selecting the Splicing Code that represents your application.

Example: The application requires a separable connector with test point between two 25kV, 500kcmil power cables. Referring to the table below, the splicing code to be used is "2".

The basic Catalog Number will be 9U60BAL. By inserting the splice code, "2" immediately following the "L" in the basic catalog number, the catalog number to order is a 9U60BAL2. All "non-size" sensitive components will be included in the kit when ordering. Therefore, you must order individually the "size sensitive" components. These are the Compression Connector (9U60LRC) for aluminum and copper cable conductors and a Cable Adapter (9U60CA).



### 9U60L Splicing Code Table

| Splicing Code | 600 Ampere Elbows | 200 Ampere Taps | 15kV              |                      | 25kV              |                      | Configuration |
|---------------|-------------------|-----------------|-------------------|----------------------|-------------------|----------------------|---------------|
|               |                   |                 | Catalog No.       |                      | Catalog No.       |                      |               |
|               |                   |                 | with test point A | without test point B | with test point A | without test point B |               |
| 1             | 1                 | 0               | 9U60AAL1          | 9U60ABL1             | 9U60BAL1          | 9U60BBL1             |               |
| 2             | 2                 | 0               | 9U60AAL2          | 9U60ABL2             | 9U60BAL2          | 9U60BBL2             |               |
| 3             | 3                 | 0               | 9U60AAL3          | 9U60ABL3             | 9U60BAL3          | 9U60BBL3             |               |
| 4             | 4                 | 0               | 9U60AAL4          | 9U60ABL4             | 9U60BAL4          | 9U60BBL4             |               |
| 10            | 1                 | 1               | 9U60AAL10         | 9U60ABL10            | 9U60BAL10         | 9U60BBL10            |               |
| 11            | 1                 | 2               | 9U60AAL11         | 9U60ABL11            | 9U60BAL11         | 9U60BBL11            |               |
| 12            | 2                 | 1               | 9U60AAL12         | 9U60ABL12            | 9U60BAL12         | 9U60BBL12            |               |
| 13            | 2                 | 2               | 9U60AAL13         | 9U60ABL13            | 9U60BAL13         | 9U60BBL13            |               |
| 14            | 3                 | 1               | 9U60AAL14         | 9U60ABL14            | 9U60BAL14         | 9U60BBL14            |               |



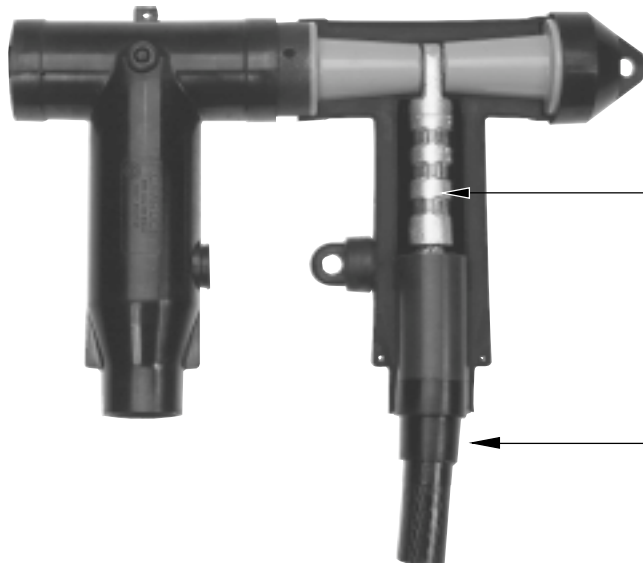
The Compression Connector and Cable Adapter are selected by including the appropriate insulator code and/or connector size. The quantity of Compression Connectors and Cable Adapters should be the same as the number of 9U60 ampere elbows found in the splicing code table if you are making a kit. THESE COMPONENTS MUST BE ORDERED SEPARATELY FROM THE BASIC MODULAR SPLICE CATALOG NUMBER TO MAKE A KIT.

**Cable Adaptor Catalog Number  
9U60CA “ \_ ”**

**Compressor Connector Catalog Number  
9U60LRC “ \_ ”**

| <b>Cable Insulation Diameter</b> |               |             |             |             |
|----------------------------------|---------------|-------------|-------------|-------------|
| <b>Insulation Code</b>           | <b>Inches</b> |             | <b>mm</b>   |             |
|                                  | <b>Min.</b>   | <b>Max.</b> | <b>Min.</b> | <b>Max.</b> |
| E                                | .530          | .680        | 13.5        | 17.3        |
| F                                | .640          | .820        | 16.3        | 20.8        |
| G                                | .760          | .950        | 19.3        | 24.1        |
| H                                | .850          | 1.050       | 21.6        | 26.7        |
| J                                | .980          | 1.180       | 24.9        | 30.0        |
| K                                | 1.090         | 1.310       | 27.7        | 33.3        |
| L                                | 1.180         | 1.465       | 30.0        | 37.2        |
| LM                               | 1.280         | 1.430       | 32.5        | 36.3        |
| M                                | 1.370         | 1.630       | 34.8        | 41.4        |
| N                                | 1.515         | 1.780       | 38.5        | 45.2        |
| P                                | 1.725         | 1.935       | 43.8        | 49.1        |

| <b>Conductor Size</b>    |                            |                      |
|--------------------------|----------------------------|----------------------|
| <b>Size AWG or kcmil</b> | <b>Stranded Compressed</b> | <b>Compact Solid</b> |
| #2                       | 002                        | N/A                  |
| #1                       | 001                        | 002                  |
| 1/0                      | 010                        | 001                  |
| 2/0                      | 020                        | 010                  |
| 3/0                      | 030                        | 020                  |
| 4/0                      | 040                        | 030                  |
| 250                      | 250                        | 040                  |
| 300                      | 300                        | 250                  |
| 350                      | 350                        | 300                  |
| 400                      | 400                        | 350                  |
| 450                      | 450                        | 400                  |
| 500                      | 500                        | 450                  |
| 550                      | 550                        | 450                  |
| 600                      | 600                        | 500                  |
| 650                      | 650                        | 550                  |
| 700                      | 700                        | 600                  |
| 750                      | 750                        | 650                  |
| 800                      | 800                        | 650                  |
| 900                      | 900                        | 750                  |
| 1000                     | 1000                       | 900                  |



**Compression Connector  
#9U60LRC\_\_**

**Cable Adapter  
#9U60CA\_\_**



## 600 AMPERE EPOXY ACCESSORIES

Hubbell, remaining consistent to a long-term commitment to product quality, offers epoxy products manufactured using a propriety process not offered by other manufacturers of similar products. Hubbell sought state-of-the-art materials and manufacturing processes found worldwide in switchgear and high voltage insulator technologies and through a joint development process with Hotsplicer Corporation has and will continue to develop epoxy underground distribution products. Referred to as EPOX Technology, Hubbell and Hotsplicer together offer the electrical industry worldwide products for underground distribution system applications utilizing manufacturing materials and processes second to none.

### Basic Insulating Plug...Style 9U60ABIP or 9U60BBIP

The Basic Insulating Plug is a key component of every Hubbell 600 Ampere Deadbreak Elbow Kit, whether for applications requiring cable connections to switchgear or transformers or splicing applications utilizing the Hubbell multi-purpose EPOX Technology junction offering up to six connecting positions. The Basic Insulating Plug is required to secure the molded rubber 600 ampere elbow in place. The one-inch hex located on top of the Basic Insulating Plug doubles as a means of tightening the molded rubber elbow on to its mating part and also as a capacitive test point.

### Connecting Plug...Style 9U60ACP or 9U60BCP

The Connecting Plug is required exclusively for applications involving the joining or connecting of two or more molded 600 ampere elbows. The Connecting Plug incorporates a straight through aluminum bus for the transfer of current between the mating 600 ampere elbows. Wrench holes are provided to tighten the Connecting Plug into a 600 Ampere Deadbreak Elbow by using a standard spanner wrench.

### Reducing Tap Well...Style 9U60ARTW or 9U60BRTW

The Reducing Tap Well provides a method to connect a 200 ampere loadbreak or deadbreak molded rubber elbow to a 600 ampere deadbreak elbow. This can be accomplished by replacing the Basic Insulating Plug with a Reducing Tap Well. Wrench holes are provided to tighten the Reducing Tap Well into a 600 ampere deadbreak elbow by using a standard spanner wrench, Hubbell Part Number 9U6OSW.

The new design Hubbell/EPOX Technology junction also provides a unique method for connecting 200 ampere loadbreak and deadbreak elbows to 600 ampere network systems with increased operating flexibility. Refer to the 600 Ampere Junctions catalog section for details.

# EPOX<sup>TECHNOLOGY</sup>



9U60( )BIP



9U60( )CP



9U60( )RTW

### Electrical Specifications

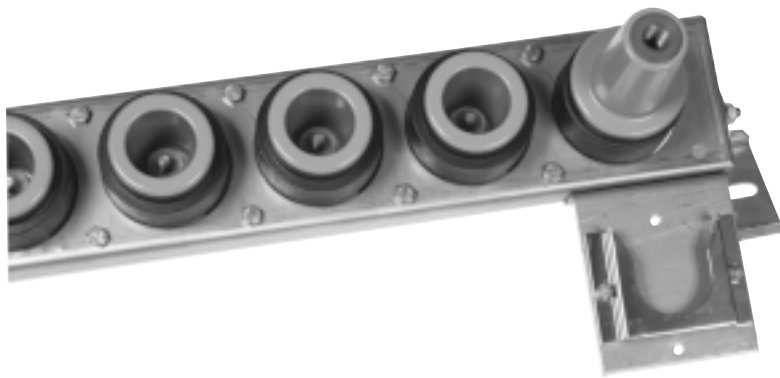
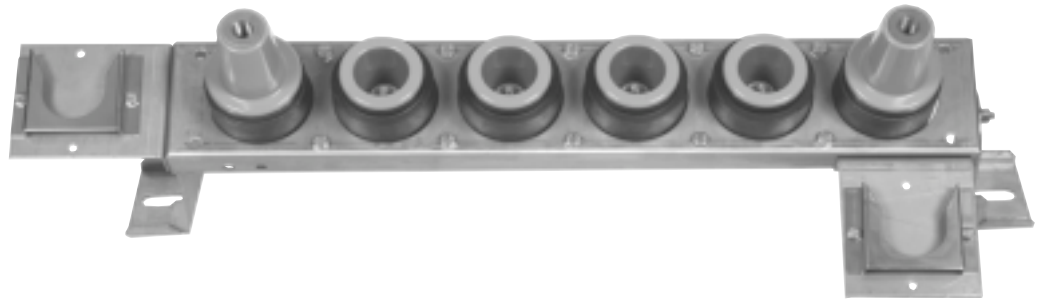
|                                           |       |
|-------------------------------------------|-------|
| Basic Impulse Level                       | 125kV |
| Corona Extinction (3pC)                   | 19kV  |
| AC Withstand Voltage (1 min.)             | 40kV  |
| DC Withstand Voltage (15 min.)            | 78kV  |
| 100% Production Test Corona, AC Withstand |       |





# TAPMASTER™ JUNCTION

Hubbell, working together with the Hotsplicer Corporation, is offering to the electrical industry EPOX Technology products, a line of epoxy products manufactured using state-of-the-art materials and manufacturing processes found worldwide in switchgear and high voltage insulator technologies.



For years, the goal of providing a single junction location to connect ANSI 200 ampere and 600 ampere products together without “stacking” of molded rubber products could be accomplished only through use of cumbersome oil filled boxes and bulky rectangular products. The TAPMASTER™ Junction offers a complete change in design approach, addressing the issues of space savings in vaults and enclosures, reduced weight, mounting flexibility and the flexibility of locating parking stands to accept accessory products required to operate and maintain a distribution system.

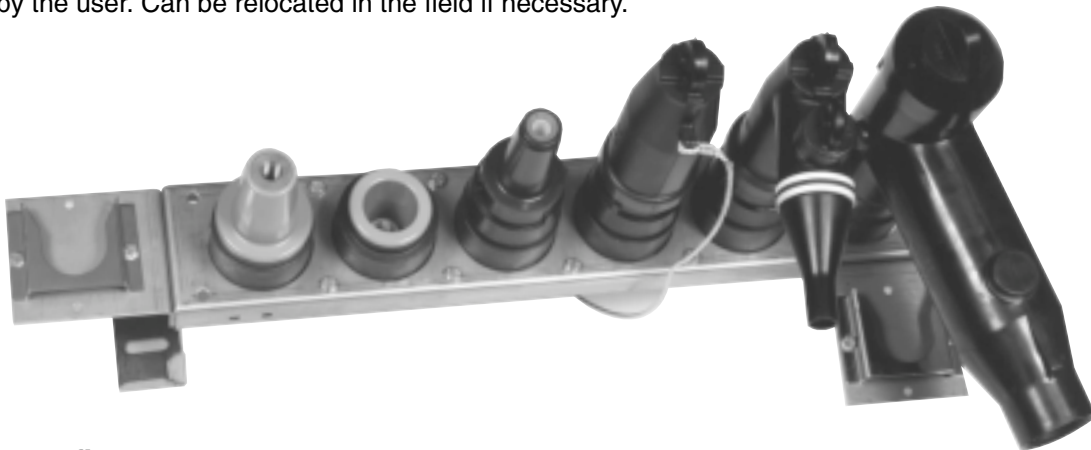
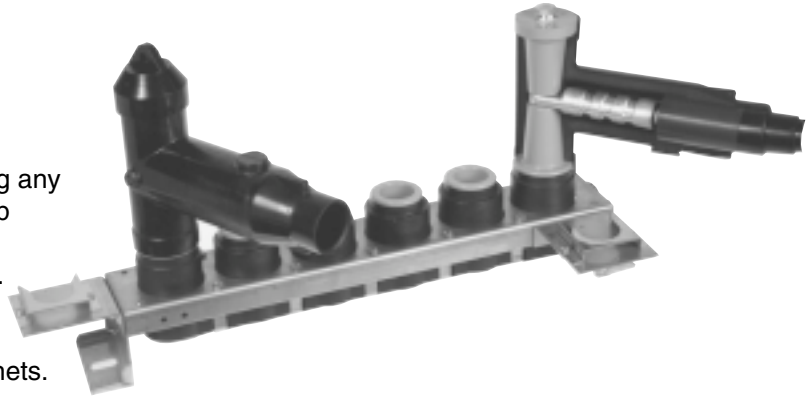
| Electrical Ratings                   | System Voltage |        |
|--------------------------------------|----------------|--------|
|                                      | 15kV           | 25kV   |
| Voltage (Line to Ground Rating)      | 8.3kV          | 15.2kV |
| Continuous Current (amperes)         | 900            | 900    |
| Basic Impulse Level (BIL)            | 95kV           | 125kV  |
| Corona Extinction (3pC)              | 11kV           | 19kV   |
| AC Withstand Voltage (1 min., 60Hz)  | 35kV           | 40kV   |
| DC Withstand Voltage (15 min.)       | 53kV           | 78kV   |
| <b>Production Testing</b>            |                |        |
| Corona Extinction (3pC)              | 11kV           | 19kV   |
| AC Withstand Voltage (1 min., 60 Hz) | 35kV           | 40kV   |
| 100% X-ray                           |                |        |





## Product Features

- Designed and tested to meet ANSI/IEEE 386 Standard.
- Available with up to six positions.
- Can be “built” to the user’s specification utilizing any combination of ANSI/IEEE 200 amp or 600 amp interfaces.
- All copper current carrying components design.
- Full 900 ampere continuous current rating.
- Available in 15kV, 25kV and 35kV designs.
- Can be surface mounted in sectionalizing cabinets.
- Available with sturdy 12 gauge stainless steel adjustable bracket for vault wall mounting.
- Optional parking stand locations can be located as required by the user. Can be relocated in the field if necessary.

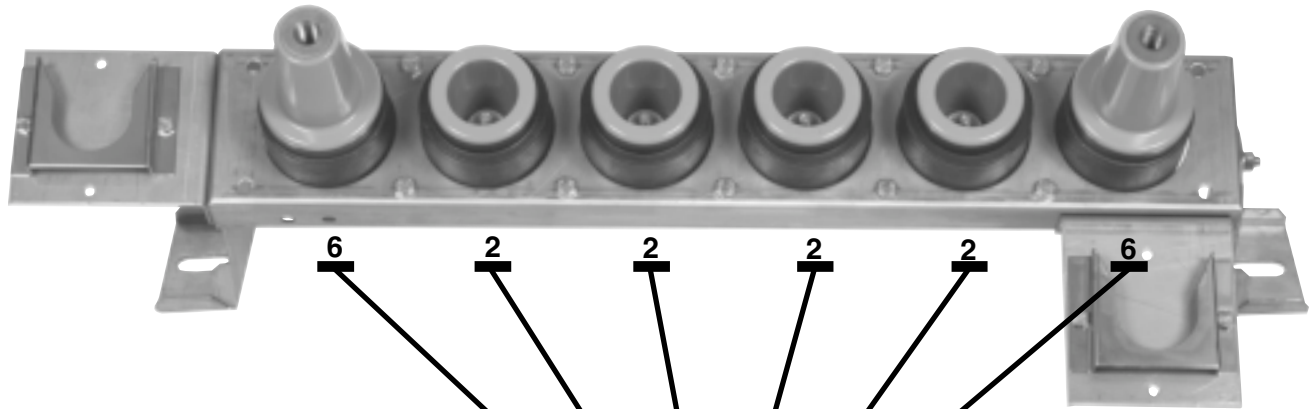


## Product Benefits

- Provides a simple solution to taking 200 amp taps off a 600 amp system with increased flexibility to operate and maintain the distribution system.
- Eliminates the need to stack 200 amp taps on a 600 amp elbow.
- Provides an easy method to disconnect a 600 amp elbow from a junction location without moving 200 amp cables.
- Provides the flexibility to design a junction location with provisions for testing and grounding by simply adding a well location that a standard bushing insert and insulating cap can be installed in for future use. This location can be used to test and ground without moving cables or “breaking down” of the installation. May also be used as an arrester location.
- Modular concept allows the user to easily specify up to six positions with any combinations of 600 amp or 200 amp interfaces.
- Adjustable mounting bracket permits positioning upward or downward to accept connecting cables. A feature available only in smaller 200 amp designs.
- The inherent flexibility found in the new TapMaster™ junctions require less vertical space from the mounting surface as compared to other methods. Stacking dimensions are less!
- If necessary, replace the bushing insert with a new one using the same procedure as replacing a bushing insert in a padmount transformer.
- The need for special loadbreak reducing tap products that must be installed in 600 ampere elbows or extenders can be eliminated along with the need for special tools and assembly procedures.
- Molded using time-tested CIBA-GEIGY HW229 epoxy resin system.



## ORDERING & SPECIFYING



**9U67A622226H**

| System Voltage Code |      |
|---------------------|------|
| 15kV                | 25kV |
| A                   | B    |

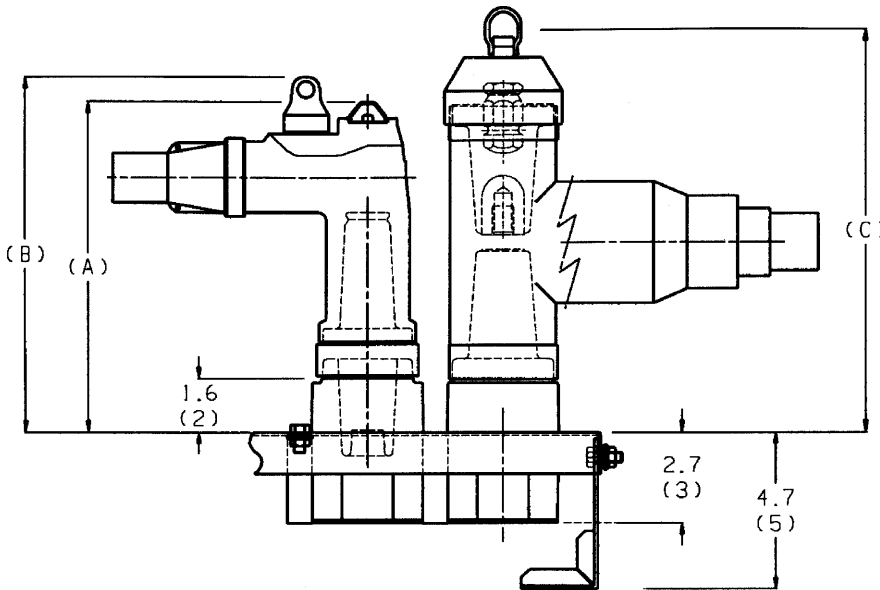
| Configuration                                                                                       |
|-----------------------------------------------------------------------------------------------------|
| Specify the configuration using "6" for an ANSI 600 amp interface and "2" for an ANSI 200 amp well. |

| Mounting Specification |                  |
|------------------------|------------------|
| Adjustable Bracket     | Surface Mounting |
| H                      | S                |
| <i>See notes below</i> |                  |

**NOTES: Mounting Code H:** Mounting bracket supplied with complete bracket, adjustable feet and moveable parking stands.  
**Mounting Code S:** Surface mounting hardware includes back plate and U-straps.

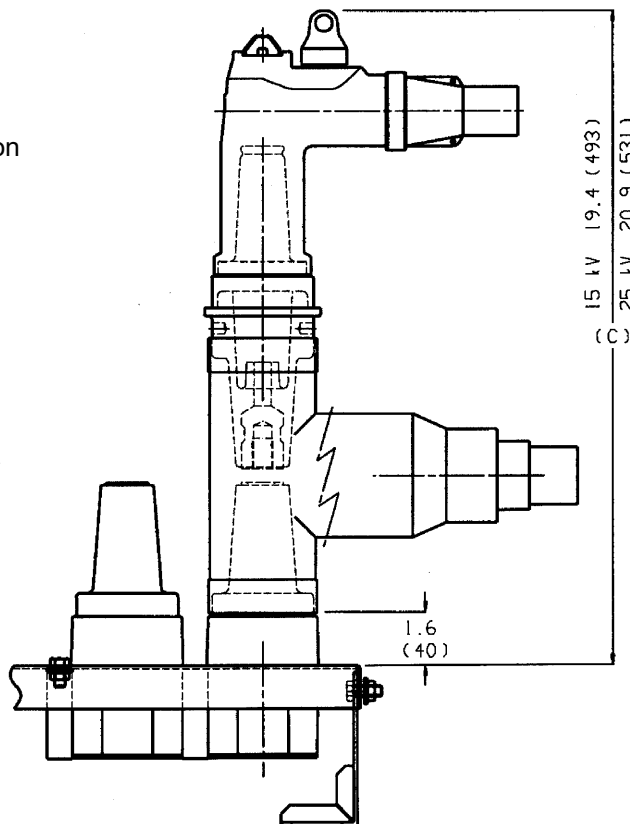


### STACKING DIMENSION COMPARISON



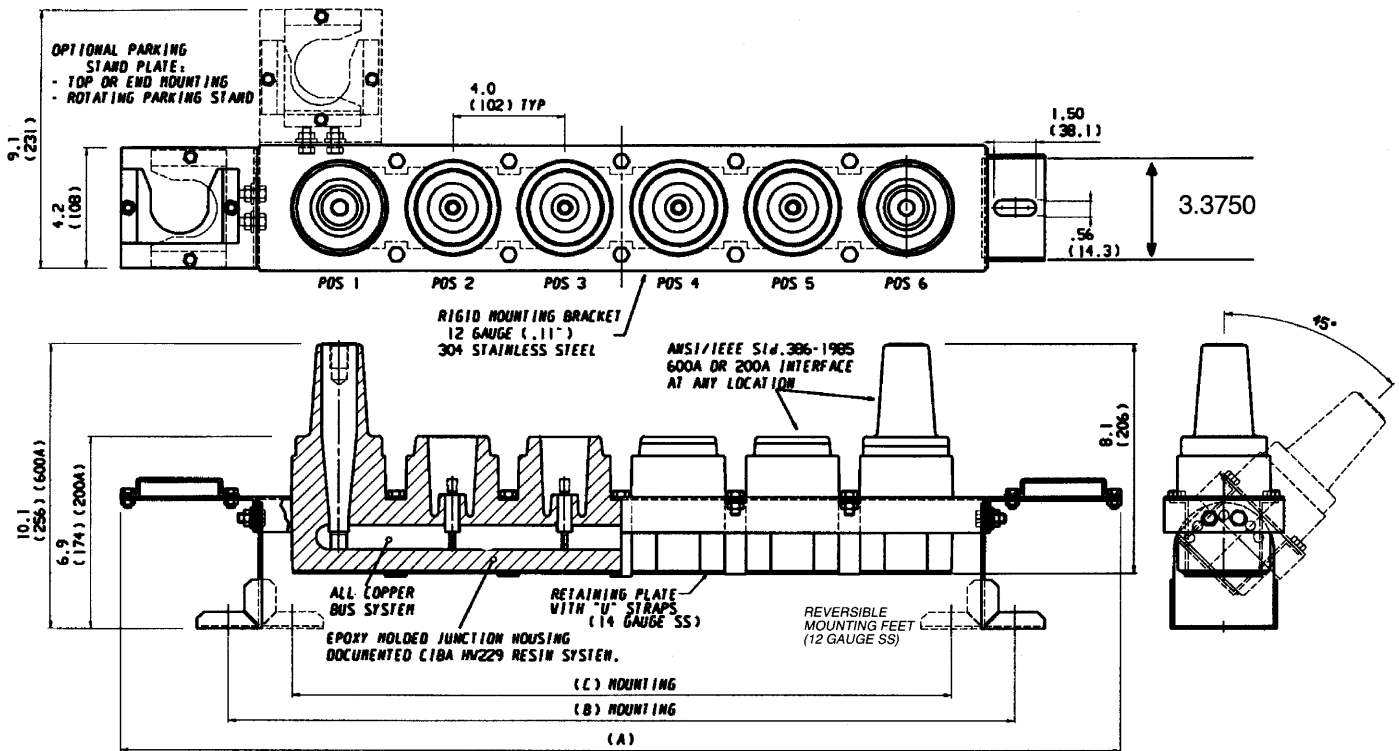
|      | Inches(mm)    |               |               |
|------|---------------|---------------|---------------|
|      | A             | B             | C             |
| 15kV | 9.8<br>(248)  | 10.5<br>(267) | 11.9<br>(303) |
| 25kV | 11.3<br>(287) | 12.1<br>(307) | 11.9<br>(303) |

The new TAPMASTER<sup>®</sup> Junction permits a 200A tap on a 600A junction with stacking dimensions up to 43% less than other methods.





# PRODUCT DIMENSIONS



| No. Positions | Dim (A)      | Dim (B)      | Dim (C)      |
|---------------|--------------|--------------|--------------|
| 3             | 23.3 / (592) | 15.7 / (399) | 11.2 / (284) |
| 4             | 27.3 / (693) | 19.7 / (500) | 15.2 / (386) |
| 5             | 31.3 / (795) | 23.7 / (602) | 19.2 / (488) |
| 6             | 35.3 / (897) | 27.7 / (704) | 23.2 / (590) |

Dimensions are shown in inches (mm)



## 600 AMPERE STAND-OFF BUSHING

The Hubbell 9U60BSOP (15kV / 25kV) Stand-off Bushing meets the full requirements of the ANSI/IEEE 386 specification. The bushing provides a single deadbreak interface used to isolate and sectionalize an energized cable.

The Insulated Stand-off Bushing is designed to be installed in the parking stand mounted on a transformer or other device. A grounding lug is provided on the stand-off bracket for attachment of a ground wire.

### INSTALLATION

A hotstick tool is used to place the stand-off bushing in the parking stand. Refer to the Hubbell instruction sheet GEH-4473 for complete installation details on the insulated stand-off bushing.

### PRODUCTION TESTS

Tests are conducted in accordance with ANSI/IEEE Standard 386

¥ ac 60 Hz 1 minute Withstand

- 40 kV

¥ Minimum Corona Voltage Level

- 19 kV



### Options

**Aluminum - 9U60BSOP**  
**Copper - 9U67BSOP**

### Voltage Ratings and Characteristics - Stand-off Bushing

| Description                  | kV  |
|------------------------------|-----|
| Standard Voltage Class       | 25  |
| ac 60 Hz 1 Minute Withstand  | 40  |
| dc 15 Minute Withstand       | 78  |
| BIL                          | 125 |
| Minimum Corona Voltage Level | 19  |



## SHIELD ADAPTERS AND JACKET SEALS

Hubbell Cable Shield Adapters provide a simple economical method for grounding power cable shields and neutrals using watertight construction. The 9U0920MA, 9U0921MA and 9U70TL can be used on all Hubbell Cable Accessory products that are applied to XLP, EPR and other solid dielectric insulated power cables.

Cable Shield Adapters provide a leading edge that simulates an extruded semi-conductive insulation shield normally found on high voltage power cables. These adapters can be used on power cables with various combinations of shields, requiring no special preparation.



9U0920MA \_\_



9U0921MA \_\_



9U70TL \_\_

| CABLE SHIELD ADAPTERS |             |                     |       |       |      |
|-----------------------|-------------|---------------------|-------|-------|------|
|                       | Suffix      | Insulation Diameter |       |       |      |
|                       |             | Inches              |       | mm    |      |
|                       |             | MIN.                | MAX.  | MIN.  | MAX. |
| 9U0920MA __           | FBG         | 0.670               | 0.830 | 17.1  | 21.0 |
|                       | GAB         | 0.830               | 0.940 | 21.0  | 23.8 |
|                       | GH          | 0.940               | 1.040 | 23.8  | 26.5 |
|                       | HB          | 1.090               | 1.240 | 27.7  | 31.5 |
|                       | JABB        | 1.280               | 1.500 | 32.5  | 38.0 |
|                       | 9U0921MA __ | FBG                 | 0.670 | 0.830 | 17.1 |
|                       | GAB         | 0.830               | 0.940 | 21.0  | 23.8 |
|                       | GH          | 0.940               | 1.040 | 23.8  | 26.5 |
|                       | HB          | 1.090               | 1.240 | 27.7  | 31.5 |
|                       | JABB        | 1.280               | 1.500 | 32.5  | 38.0 |

| CABLE SHIELD ADAPTERS |        |                     |       |      |      |
|-----------------------|--------|---------------------|-------|------|------|
| 9U70TL __             | Suffix | Insulation Diameter |       |      |      |
|                       |        | Inches              |       | mm   |      |
|                       |        | MIN.                | MAX.  | MIN. | MAX. |
|                       | EB     | 0.495               | 0.585 | 12.6 | 14.9 |
|                       | EF     | 0.525               | 0.635 | 13.3 | 16.1 |
|                       | FA     | 0.575               | 0.685 | 14.6 | 17.4 |
|                       | FAB    | 0.625               | 0.735 | 15.9 | 18.7 |
|                       | FB     | 0.675               | 0.785 | 17.2 | 19.9 |
|                       | FG     | 0.725               | 0.835 | 18.4 | 21.2 |
|                       | GA     | 0.775               | 0.885 | 19.7 | 22.5 |
|                       | GAB    | 0.825               | 0.935 | 21.0 | 23.8 |
|                       | GB     | 0.875               | 0.985 | 22.2 | 25.0 |
|                       | GH     | 0.930               | 1.040 | 23.6 | 26.4 |
|                       | HA     | 0.980               | 1.115 | 24.9 | 28.3 |
|                       | HAB    | 1.040               | 1.175 | 26.4 | 29.9 |
|                       | HB     | 1.095               | 1.240 | 27.8 | 31.5 |
|                       | HJ     | 1.160               | 1.305 | 29.5 | 33.2 |
|                       | JA     | 1.220               | 1.375 | 31.0 | 34.9 |
|                       | JAB    | 1.285               | 1.395 | 32.6 | 35.4 |
|                       | JB     | 1.355               | 1.520 | 34.4 | 38.6 |
|                       | KA     | 1.485               | 1.595 | 37.7 | 40.5 |
|                       | KAB    | 1.530               | 1.640 | 38.9 | 41.7 |
|                       | KB     | 1.575               | 1.685 | 40.0 | 42.8 |
|                       | PA     | 1.665               | 1.785 | 42.3 | 45.3 |
|                       | PB     | 1.755               | 1.875 | 44.6 | 47.6 |



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NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.



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# 600 AMP LOADBREAK REDUCING TAP PLUG (LRTP)



The 600 amp LRTP is designed to tap a 200 amp loadbreak interface device to an existing 600 amp deadbreak using a bolted connection. A common application is for grounding and isolating 600 amp systems. The LRTP is fault-close rated to 10,000 amps and complies with IEEE 386. The LRTP is available in both 15 and 25kV ratings.

Disconnect the LRTP using a standard hex tool.

| Catalog Number | Interface Rating kV | Approx. Weight Ea. Lbs. (kg) |
|----------------|---------------------|------------------------------|
| 9U60ALRTP      | 15                  | 3 lb. (6.6)                  |
| 9U60BLRTP      | 25                  | 3.25 lb. (7.2)               |

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# 600 AMP SafeOp™ TAP PLUG



The 600 amp SafeOp™ Tap Plug combines the load reducing capabilities of the LRTP with a standard ANSI 200 amp bushing well. A copper bus is used to connect the bushing well to the main body of the LRTP. A grounding elbow never has to be removed during grounding procedures through the use of the attached bushing well. Testing can also be performed through the 15 or 25kV bushing well and, the SafeOp™ Tap Plug is rated at 10,000 amp fault closing capability. The SafeOp Tap Plug is available in both 15 and 25kV interfaces and fully complies with IEEE 386.

The bushing well provides an extra interface which allows grounding elbows to remain in place during all stages of grounding and isolation.

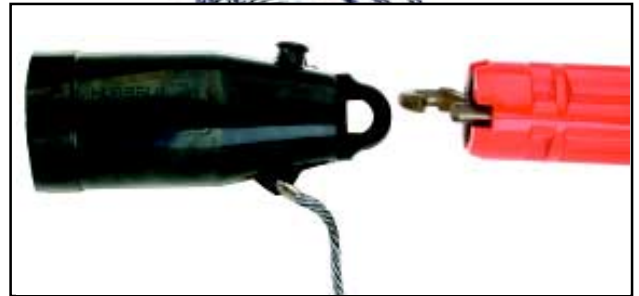
| Catalog Number | Interface Rating kV | Approx. Weight Ea. Lbs. (kg) |
|----------------|---------------------|------------------------------|
| 9U60ASafeOp    | 15                  | 5.5 lb. (12.1)               |
| 9U60BSafeOp    | 25                  | 6 lb. (13.2)                 |

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# 600 AMP INSULATING CAP



The 600 amp insulating cap isolates unused 600 amp interfaces. It is insulated and fully shielded to provide submersible protection for energized 15 and 25kV deadbreak interfaces. To avoid low-energy discharge from the outer conductive shield, the 36" long braided lead wire should be grounded. The insulating cap meets IEEE 386 and is available in both 15 and 25kV ratings.

| Catalog Number | Interface Rating kV | Approx. Weight Ea. Lbs. (kg) |
|----------------|---------------------|------------------------------|
| 9U60ACAP       | 15                  | 1 lb. (2.2)                  |
| 9U60BCAP       | 25                  | 1 lb. (2.2)                  |

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# 600 AMP BUSHING EXTENDER



The bushing extender is used to increase the distance between the 600 amp interface and the 600 amp T-body elbow. The extender is insulated and shielded to protect deadfront integrity. The bushing extender is available in both 15 and 25kV ratings and fully complies with IEEE 386.

| Catalog Number | Interface Rating kV | Approx. Weight Ea. Lbs. (kg) |
|----------------|---------------------|------------------------------|
| 9U60AEXT       | 15                  | 1.5 lb. (3.3)                |
| 9U60BEXT       | 25                  | 1.5 lb. (3.3)                |

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