Catalog C4

1

DEADBREAK PRODUCTS

600 AMP 15/25/28 kV

Experience & Reliability

Cable Accessories





cable accessories



600 AMP 15/25/28 kV Deadbreak Products

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15/25/28 kV DEADBREAK PRODUCTS

RATINGS & SPECIFICATIONS

GENERAL INFORMATION

The Hubbell 600 Amp 25/28 kV Deadbreak Elbow and accessories offer an easy and reliable method of terminating and splicing main feeder circuits. The Deadbreak Elbow is a fully shielded, molded rubber connector.

The Deadbreak Elbow is designed to terminate power cables with copper or aluminum conductors ranging in sizes from #2 AWG to 1250 kcmil. It may be installed on any 600 amp rated apparatus bushing that meets IEEE Standard 386 Figure 11 (latest revision) for Separable Insulated Connectors. Cable adapters accommodate power cable insulation diameters from 0.530 to 1.935 inches.

The Hubbell Deadbreak Elbow has been designed and tested to meet the requirement of IEEE Standard 386 and IEEE Standard 592 Molded Semi-Con Shields. Conformance to this industry standard ensures mechanical and electrical interchangeability with other products of manufacturers that are also in conformance with the standard.

RATINGS

Max. continuous voltage	16.2 kV phase-to-ground
	28.0 kV phase-to-phase
Continuous current	600 amps rms
(Aluminum components)	

SHORT-TIME CURRENT RATINGS

0.17 seconds duration	25,000	amps rms symmetrical
3.00 seconds duration	10,000	amps rms symmetrical

INSULATION WITHSTAND VOLTAGES

Basic Impulse Level	125 kV crest
(1.2 x 50 µsec. wave)	
60 Hertz (one minute)	45 kV rms
DC (15 minutes)	84 kV
Corona Extinction Voltage (3 pc)	21.5 kV rms

OVERLOAD CURRENT

4 hour rating 900 amps rms

PRODUCTION TESTS

100% factory test for partial discharge and either AC HI-POT (40 kV for 60 seconds) or impulse (BIL) (125 kV 1.2 x 50 µsec. wave).



DEADBREAK BOLTED ELBOW TERMINATION SYSTEM

The Hubbell Power Systems 600 Amp 25/28 kV rated Deadbreak Bolted Elbow Termination System is designed to terminate medium voltage underground distribution cable to switchgear, transformers, sectionalizing cabinets and underground distribution vault applications. The Bolted Elbow system is comprised of a standard 600 amp T-body, an unthreaded compression lug, a cable adapter and a basic insulating plug with cap. The T-body can be ordered with or without a capacitive test point.

Bolted Elbow systems provide an economical means of terminating cable in applications where the visible open and ground will be achieved through the use of an internal switch and viewing window. In addition, it can be combined with other Bolted Elbow kits and/or deadbreak junctions to construct a multi-way separable splice.

Bolted Elbow Termination System



SELECTION & ORDERING INFORMATION

Determine the diameter over the cable's insulation by measuring it (Do not measure over the insulation shield) or from the cable manufacturer's catalog. Select a cable adapter so that the insulation falls within the elbow's range.

Select a connector code that identifies the conductor size and stranding.

Decide if a capacitive test point is required.

The elbow can be supplied with a separate, coldshrink seal kit for jacketed concentric neutral cable, or it can be furnished with a separate adapter kit for copper tape shield cables.

Cable Dimension Reference





Example: The part number for 25/28 kV Bolted Elbow kit for 500 stranded, 260 mil cable with an insulation diameter of 1.415" and a test point is: 625BTLM33T.



Cable Adapter Code	Range (Inches)	Range (mm)
E	.530680	13,5 - 17,3
F	.640820	16,3 - 20,8
G	.760950	19,3 - 24,1
Н	.850 - 1.050	21,6 - 26,7
J	.980 - 1.180	24,9 - 30,0
К	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
М	1.370 - 1.630	34,8 - 41,4
N	1.515 - 1.780	38,5 - 45,2
Р	1.725 - 1.935	43,8 - 49,1

Deadbreak Bolted Elbow Component Parts:

<u>Description</u>	<u>Catalog #</u>
T-Body with Test Point	625TBT
T-Body without Test Point	625TB
Aluminum Insulating Plug with Cap	625BIP
5/8" - 11 UNC Threaded Aluminum Stud	625SA

To order a replacement cable adapter, determine the cable adapter code from above, ${\rm 625CAx}$

To order a replacement compression connection, determine the connector code from the right, 625LUGxx

Connector	AWG or	Stranding	15 kV - 175mil	15 kV - 220mil	25 kV - 260mil	35 kV - 345mil
Code	kcmil		(Inches)	(Inches)	(Inches)	(Inches)
22	#2 #1	Stranded & Compressed Compact & Solid	0.635 - 0.730 0.645 - 0.735	0.725 - 0.825 0.735 - 0.830	0.805 - 0.905	
23	#1 1/0	Stranded & Compressed Compact & Solid	0.675 - 0.770 0.680 - 0.775	0.765 - 0.855 0.770 - 0.865	0.835 - 0.935 0.835 - 0.940	1.010 - 1.120
24	1/0	Stranded & Compressed	0.715 - 0.810	0.805 - 0.905	0.875 - 0.980	1.045 - 1.155
	2/0	Compact & Solid	0.715 - 0.815	0.805 - 0.905	0.875 - 0.980	1.045 - 1.160
25	2/0	Stranded & Compressed	0.760 - 0.855	0.850 - 0.950	0.920 - 1.025	1.090 - 1.200
	3/0	Compact & Solid	0.765 - 0.860	0.855 - 0.955	0.925 - 1.030	1.095 - 1.205
26	3/0	Stranded & Compressed	0.810 - 0.905	0.900 - 1.000	0.970 - 1.075	1.140 - 1.255
	4/0	Compact & Solid	0.815 - 0.910	0.905 - 1.005	0.975 - 1.080	1.925 - 1.260
27	4/0	Stranded & Compressed	0.865 - 0.965	0.955 - 1.060	1.025 - 1.135	1.195 - 1.310
	250	Compact & Solid	0.880 - 0.965	1.010 - 1.115	1.025 - 1.135	1.210 - 1.315
28	250	Stranded & Compressed	0.920 - 1.020	1.010 - 1.115	1.080 - 1.190	1.250 - 1.370
29	350	Compact	0.980 - 1.065	1.070 - 1.155	1.140 - 1.230	1.310 - 1.410
30	350	Stranded & Compressed	1.025 - 1.130	1.115 - 1.220	1.185 - 1.295	1.355 - 1.475
32	500	Compact	1.100 - 1.185	1.190 - 1.275	1.260 - 1.350	1.430 - 1.530
33	500	Stranded & Compressed	<mark>1.150 - 1.260</mark>	1.240 - 1.355	1.310 - 1.430	1.480 - 1.605
	600	Compact	1.185 - 1.270	1.275 - 1.365	1.345 - 1.440	1.575 - 1.615
35	600	Stranded & Compressed	1.235 - 1.350	1.325 - 1.445	1.395 - 1.520	1.565 - 1.695
	700	Compact	1.245 - 1.335	1.335 - 1.430	1.405 - 1.500	1.575 - 1.680
36	750	Compact	1.280 - 1.365	1.370 - 1.460	1.440 - 1.535	1.610 - 1.710
38	700	Stranded & Compressed	1.305 - 1.420	1.395 - 1.515	1.465 - 1.590	1.635 - 1.765
	750	Stranded & Compressed	1.340 - 1.456	1.430 - 1.550	1.500 - 1.625	1.670 - 1.800
	900	Compact	1.370 - 1.455	1.460 - 1.550	1.530 - 1.625	1.700 - 1.800
39	800	Stranded & Compressed	1.370 - 1.455	1.460 - 1.580	1.530 - 1.655	1.700 - 1.835
40	900	Stranded & Compressed	1.430 - 1.550	1.520 - 1.645	1.590 - 1.720	1.760 - 1.895
	1000	Compact	1.430 - 1.515	1.520 - 1.610	1.590 - 1.685	1.760 - 1.865
41	1000	Stranded & Compressed	1.485 - 1.610	1.575 - 1.705	1.645 - 1.775	1.815 - 1.955

Select Connector Code from Column 1

NOTE: Contact representative for conductors not listed above.



DEADBREAK ETP ELBOW TERMINATION SYSTEM

The Hubbell Power Systems 600 Amp 15 kV or 25/28 kV rated Deadbreak ETP (Elbow Tap Plug) Termination System is designed to terminate medium voltage underground distribution cable to switchgear, transformers, sectionalizing cabinets and underground distribution vault applications. The ETP system is comprised of a standard 600 amp T-body, an unthreaded compression lug, a cable adapter and the ETP. The T-body can be ordered with or without a capacitive test point. The ETP system is ideal for applications where a 200 amp tap is desired for test or ground purposes, with the visible open achieved through use of an internal switch and a viewing window. The ETP is also ideal for adding a 200 amp tap to an existing 600 amp elbow termination.

The 200 amp loadbreak interface can be either 15 kV or 25/28 kV rated. This interface allows for live test, visible ground, addition of a 200 amp tap, or installation of an arrester elbow to protect your underground distribution system from voltage surges.



Example: The part number for 25/28 kV ETP kit for 500 stranded, 260 mil cable with an insulation diameter of 1.415" and a test point and an insulating cap is: 625ETPLM33TC.



Cable Adapter Code	Range (Inches)	Range (mm)			
E	.530680	13,5 - 17,3			
F	.640820	16,3 - 20,8			
G	.760950	19,3 - 24,1			
Н	.850 - 1.050	21,6 - 26,7			
J	.980 - 1.180	24,9 - 30,0			
К	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			
М	1.370 - 1.630	34,8 - 41,4			
N	1.515 - 1.780	38,5 - 45,2			
Р	1.725 - 1.935	43,8 - 49,1			

Deadbreak ETP Elbow Component Items:

Description	<u>Catalog #</u>
T-Body with Test Point	625TBT
T-Body without Test Point	625TB
15 kV Elbow Tap Plug (ETP)	615ETP
25/28 kV Elbow Tap Plug (ETP)	625ETP
5/8" - 11 UNC Threaded Aluminum Stud	625SA
15 kV Insulating Cap	215ICI
25/28 kV Insulating Cap	9U01BEW500
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To order a replacement cable adapter, determine the cable adapter code from above, 625CAx

To order a replacement compression connection, determine the connector code from the right, 625LUGxx

Select Connector Code from Column 1						
Connector Code	AWG or kcmil	Stranding	15 kV - 175mil (Inches)	15 kV - 220mil (Inches)	25 kV - 260mil (Inches)	35 kV - 345mil (Inches)
22	#2 #1	Stranded & Compressed Compact & Solid	0.635 - 0.730 0.645 - 0.735	0.725 - 0.825 0.735 - 0.830	0.805 - 0.905	
23	#1 1/0	Stranded & Compressed Compact & Solid	0.675 - 0.770 0.680 - 0.775	0.765 - 0.855 0.770 - 0.865	0.835 - 0.935 0.835 - 0.940	1.010 - 1.120
24	1/0 2/0	Stranded & Compressed Compact & Solid	0.715 - 0.810 0.715 - 0.815	0.805 - 0.905 0.805 - 0.905	0.875 - 0.980 0.875 - 0.980	1.045 - 1.155 1.045 - 1.160
25	2/0 3/0	Stranded & Compressed Compact & Solid	0.760 - 0.855 0.765 - 0.860	0.850 - 0.950 0.855 - 0.955	0.920 - 1.025 0.925 - 1.030	1.090 - 1.200 1.095 - 1.205
26	3/0 4/0	Stranded & Compressed Compact & Solid	0.810 - 0.905 0.815 - 0.910	0.900 - 1.000 0.905 - 1.005	0.970 - 1.075 0.975 - 1.080	1.140 - 1.255 1.925 - 1.260
27	4/0 250	Stranded & Compressed Compact & Solid	0.865 - 0.965 0.880 - 0.965	0.955 - 1.060 1.010 - 1.115	1.025 - 1.135 1.025 - 1.135	1.195 - 1.310 1.210 - 1.315
28	250	Stranded & Compressed	0.920 - 1.020	1.010 - 1.115	1.080 - 1.190	1.250 - 1.370
29	350	Compact	0.980 - 1.065	1.070 - 1.155	1.140 - 1.230	1.310 - 1.410
30	350	Stranded & Compressed	1.025 - 1.130	1.115 - 1.220	1.185 - 1.295	1.355 - 1.475
32	500	Compact	1.100 - 1.185	1.190 - 1.275	1.260 - 1.350	1.430 - 1.530
33	500 600	Stranded & Compressed Compact	<mark>1.150 - 1.260</mark> 1.185 - 1.270	1.240 - 1.355 1.275 - 1.365	1.310 - 1.430 1.345 - 1.440	1.480 - 1.605 1.575 - 1.615
35	600 700	Stranded & Compressed Compact	1.235 - 1.350 1.245 - 1.335	1.325 - 1.445 1.335 - 1.430	1.395 - 1.520 1.405 - 1.500	1.565 - 1.695 1.575 - 1.680
36	750	Compact	1.280 - 1.365	1.370 - 1.460	1.440 - 1.535	1.610 - 1.710
38	700 750 900	Stranded & Compressed Stranded & Compressed Compact	1.305 - 1.420 1.340 - 1.456 1.370 - 1.455	1.395 - 1.515 1.430 - 1.550 1.460 - 1.550	1.465 - 1.590 1.500 - 1.625 1.530 - 1.625	1.635 - 1.765 1.670 - 1.800 1.700 - 1.800
39	800	Stranded & Compressed	1.370 - 1.455	1.460 - 1.580	1.530 - 1.655	1.700 - 1.835
40	900 1000	Stranded & Compressed Compact	1.430 - 1.550 1.430 - 1.515	1.520 - 1.645 1.520 - 1.610	1.590 - 1.720 1.590 - 1.685	1.760 - 1.895 1.760 - 1.865
41	1000	Stranded & Compressed	1.485 - 1.610	1.575 - 1.705	1.645 - 1.775	1.815 - 1.955

NOTE: Contact representative for conductors not listed above.



DEADBREAK LRTP ELBOW TERMINATION SYSTEM

The Hubbell Power Systems 600 Amp 15 kV or 25/28 kV rated Deadbreak LRTP Termination System is designed to connect medium voltage underground distribution cable to switchgear, transformers, sectionalizing cabinets and underground distribution vault applications. The LRTP system uses a threaded compression lug allowing the LRTP to be threaded into the T-body forming an integral termination system. The T-body can be ordered with or without a capacitive test point. The LRTP system is ideal for applications where the termination will be moved to achieve a visible break and ground. The integral termination system, T-body and LRTP as one unit, makes it easier to install and remove from the mating bushing interface.

The 200 amp loadbreak interface can be either 15 kV or 25/28 kV rated. This interface allows for live test, phasing and visible ground. In addition, it can be used to add a tap, or install an Arrester Elbow to protect your underground distribution system from voltage surges.





Example: The part number for 25/28 kV LRTP kit for 500 stranded, 260 mil cable with an insulation diameter of 1.415" and a test point and insulating cap is: 625LRTPLM33TC.



Select Cable Adapter Code from Column 1					
Cable Adapter Code	Range (Inches)	Range (mm)			
E	.530680	13,5 - 17,3			
F	.640820	16,3 - 20,8			
G	.760950	19,3 - 24,1			
Н	.850 - 1.050	21,6 - 26,7			
J	.980 - 1.180	24,9 - 30,0			
К	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			
М	1.370 - 1.630	34,8 - 41,4			
N	1.515 - 1.780	38,5 - 45,2			
Р	1.725 - 1.935	43,8 - 49,1			

Deadbreak LRTP Component Items:

Description	Catalog #
I-Body with lest Point	6251B1
15 kV Loadbreak Reducing Tab	615LRTP
Plug (LRTP)	
25/28 kV Loadbreak Reducing Tab Plug (LRTP)	625LRTP
15 kV Insulating Cap	215ICI
25/28 kV Insulating Cap	9U01BEW500

To order a replacement cable adapter,	
determine the cable adapter code	
from above, 625CAx	

To order a replacement compression connection, determine the connector code from the right, 625LUGxx

	Select Connector Lode from Column 1							
Connector Code	AWG or kcmil	Stranding	15 kV - 175mil (Inches)	15 kV - 220mil (Inches)	25 kV - 260mil (Inches)	35 kV - 345mil (Inches)		
22	#2 #1	Stranded & Compressed Compact & Solid	0.635 - 0.730 0.645 - 0.735	0.725 - 0.825 0.735 - 0.830	0.805 - 0.905			
23	#1 1/0	Stranded & Compressed Compact & Solid	0.675 - 0.770 0.680 - 0.775	0.765 - 0.855 0.770 - 0.865	0.835 - 0.935 0.835 - 0.940	1.010 - 1.120		
24	1/0 2/0	Stranded & Compressed Compact & Solid	0.715 - 0.810 0.715 - 0.815	0.805 - 0.905 0.805 - 0.905	0.875 - 0.980 0.875 - 0.980	1.045 - 1.155 1.045 - 1.160		
25	2/0 3/0	Stranded & Compressed Compact & Solid	0.760 - 0.855 0.765 - 0.860	0.850 - 0.950 0.855 - 0.955	0.920 - 1.025 0.925 - 1.030	1.090 - 1.200 1.095 - 1.205		
26	3/0 4/0	Stranded & Compressed Compact & Solid	0.810 - 0.905 0.815 - 0.910	0.900 - 1.000 0.905 - 1.005	0.970 - 1.075 0.975 - 1.080	1.140 - 1.255 1.925 - 1.260		
27	4/0 250	Stranded & Compressed Compact & Solid	0.865 - 0.965 0.880 - 0.965	0.955 - 1.060 1.010 - 1.115	1.025 - 1.135 1.025 - 1.135	1.195 - 1.310 1.210 - 1.315		
28	250	Stranded & Compressed	0.920 - 1.020	1.010 - 1.115	1.080 - 1.190	1.250 - 1.370		
29	350	Compact	0.980 - 1.065	1.070 - 1.155	1.140 - 1.230	1.310 - 1.410		
30	350	Stranded & Compressed	1.025 - 1.130	1.115 - 1.220	1.185 - 1.295	1.355 - 1.475		
32	500	Compact	1.100 - 1.185	1.190 - 1.275	1.260 - 1.350	1.430 - 1.530		
33	500 600	Stranded & Compressed Compact	<mark>1.150 - 1.260</mark> 1.185 - 1.270	1.240 - 1.355 1.275 - 1.365	1.310 - 1.430 1.345 - 1.440	1.480 - 1.605 1.575 - 1.615		
35	600 700	Stranded & Compressed Compact	1.235 - 1.350 1.245 - 1.335	1.325 - 1.445 1.335 - 1.430	1.395 - 1.520 1.405 - 1.500	1.565 - 1.695 1.575 - 1.680		
36	750	Compact	1.280 - 1.365	1.370 - 1.460	1.440 - 1.535	1.610 - 1.710		
38	700 750 900	Stranded & Compressed Stranded & Compressed Compact	1.305 - 1.420 1.340 - 1.456 1.370 - 1.455	1.395 - 1.515 1.430 - 1.550 1.460 - 1.550	1.465 - 1.590 1.500 - 1.625 1.530 - 1.625	1.635 - 1.765 1.670 - 1.800 1.700 - 1.800		
39	800	Stranded & Compressed	1.370 - 1.455	1.460 - 1.580	1.530 - 1.655	1.700 - 1.835		
40	900 1000	Stranded & Compressed Compact	1.430 - 1.550 1.430 - 1.515	1.520 - 1.645 1.520 - 1.610	1.590 - 1.720 1.590 - 1.685	1.760 - 1.895 1.760 - 1.865		
41	1000	Stranded & Compressed	1.485 - 1.610	1.575 - 1.705	1.645 - 1.775	1.815 - 1.955		

NOTE: Contact representative for conductors not listed above.



MODULAR SPLICING KITS





The Hubbell Style 600 Amp Deadbreak Elbow can also be used to splice power cables by assembling multiple elbows using epoxy accessory products.

To order Modular Splicing Kits, simply build your catalog number using the indicator above.

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 without test point between two 25/28 kV, 500kcmil power cables. Referring to the table below, the splicing code to be used is "2". The basic Catalog Number will be 625L_. By inserting the splice code, "2" immediately following the "L" in the basic catalog number, the catalog number to order is a 625L2. 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 (625LUG__) for aluminum and copper cable conductors and a Cable Adapter (625CA_).



625RTW Reducing Tap Well

The Reducing Tap Well provides a method to connect a 200 amp loadbreak elbow to a 600 amp deadbreak elbow. This can be accomplished by replacing the Basic Insulating Plug with a Reducing Tap Well and an appropriate bushing well insert. Wrench holes are provided to tighten the Reducing Tap Well into a 600 amp deadbreak elbow by using a standard spanner wrench.



625CP Connecting Plug

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



625BIP Basic Insulating Plug

The Basic Insulating Plug is a key component of every Hubbell 600 amp Deadbreak Elbow Kit, whether for applications requiring cable connections to switchgear or transformers or splicing applications utilizing the Hubbell multi-purpose junction offering up to six connecting positions. The Basic Insulating Plug is required to secure the molded rubber 600 amp 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.



Note 1: Add an "S" to have a stud included in the kit.

Note 2: Add a "P" to have the above stud permanently installed. Leave blank to have stud loose in the kit.



625IC 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 kV and 25/28 kV deadbreak interfaces. To avoid low-energy discharge from the outer conductive shield, the 36" long braided lead wire should be grounded.

625BE Bushing Extender

The bushing extender is used to increase the distance between the 600 amp bushing interface and the 600 amp T-body elbow. The extender is insulated and shielded to protect deadfront integrity.

9__BA Bushing Adaptor

The Bushing Adapter provides a means to reduce a 600 amp bushing to a 200 amp loadbreak interface. The BA is fault close rated for 10,000 amps and complies with IEEE Std. 386. The BA is available in both 15 kV and 25/28 kV ratings.









625SB Standoff Bushing

The 25/28 kV Standoff Bushing provides a single deadbreak interface used to isolate and sectionalize an energized cable. Standoff Bushing is designed to be installed in the parking stand mounted on a transformer or other device. A grounding lug is provided on the bracket for attachment of a ground wire.

625GB Grounding Bushing

The 25/28 kV Grounding Bushing provides a single deadbreak interface used to achieve a visible ground on de-energized cables.

Note 1: Add an "S" to have a stud included in the kit. Note 2: Add a "P" to have the above stud permanently installed. Leave blank to have stud loose in the kit.

Deadbreak Components:

625SK52	Cold Shrink Cable Seal Kit for JCN cable with an overall diameter of 0.95" to 1.94"
625SK53	Cold Shrink Cable Seal Kit for JCN cable with an overall diameter of 1.28" to 2.67"
625SK59	Tape Shield Adapter Kit for cable with an overall diameter of 0.59" to 1.05"
625SK60	Tape Shield Adapter Kit for cable with an overall diameter of 0.83" to 1.64"
625SK61	Tape Shield Adapter Kit for cable with an overall diameter of 1.27" to 2.17"
625SK62	Tape Shield Adapter Kit for cable with an overall diameter of 1.70" to 2.60"







6_ _ ETP Elbow Tap Plug

The 600 Amp Elbow Tap Plug is designed to add a 200 amp loadbreak interface to an existing 600 amp deadbreak T-Body. It is ideal for retrofitting an existing bolted elbow with a 200 amp tap or for new applications. A common application is for testing and grounding 600 amp systems. The ETP is fault close rated to 10,000 amps and complies with the IEEE Std. 386. The ETP is available in both 15 kV and 25/28 kV ratings.





6_ _ LRTP Loadbreak Reducing Tap Plug

The 600 Amp Loadbreak Reducing Tap Plug is designed to add a 200 amp loadbreak interface device to an existing 600 amp deadbreak T-Body 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 Std. 386. The LRTP is available in both 15 kV and 25/28 kV ratings.







25/28 kV DEADBREAK JUNCTIONS

JUNCTION SELECTION AND ORDERING

Example: 4-point junction, supplied with U-straps: 625J4U



JUNCTION DESCRIPTION

These junctions sectionalize feeders or provide a lateral tap. Install in pad-mounted equipment or in a subsurface vault application. Fully-shielded and fully submersible. Mates with all standard 600 amp class separable connectors. Conforms to all requirements of IEEE Std. 386 and IEEE Std. 592. Pre-molded junctions are available in two, three and four point configurations. Standard 600 amp products contain an aluminum bus bar and mate with any 15/25/28 kV rated separable connector. All junctions are available with a stainless steel mounting bracket, which includes two integral parking stands, a ground lug, and a backplate. Can be furnished with U-straps for surface mounting.

Junction Component Parts:

625US1 Junction U-strap, Stainless Steel



TAPMASTER[™] JUNCTION

The 25/28 kV TapMaster[™] Junction offers a complete change in design approach, addressing the issues of space savings in vaults and enclosures, mounting flexibility and the flexibility of locating parking stands to accept accessory products required to operate and maintain a distribution system.



Product Features

The TapMaster[™] Junction is designed and tested to meet IEEE Std. 386. It is available with three to six positions and can be "built" to the user's specification utilizing any combination of IEEE 200 amp wells or 600 amp bushing interfaces. It has all copper current carrying components. It can be surface mounted in sectionalizing cabinets, or it is available with 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

The TapMaster[™] Junction provides a simple solution to taking 200 amp taps off a 600 amp system with increased flexibility to operate and maintain the distribution system. It eliminates the need to stack 200 amp taps on a 600 amp elbow. It provides both an easy method to disconnect a 600 amp elbow from a junction location without moving 200 amp cable and 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 the be used to test and ground without moving cables or "breaking down" of the installation. It may also be used as an arrester location.

The modular concept allows the user to easily specify three 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.





No. Positions	Dimension (A)	Dimension (B)	Dimension (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)
б	35.3 / (897)	27.7 / (704)	23.2 / (590)



STACKING DIMENSIONS

The diagram below shows typical Cable Accessories combinations and includes the dimensions for each part as they pertain to this diagram. Choose a desired combination and add up the dimensions of each part to obtain the distance the complete unit would extend from the equipment face plate. Example: A 600 Amp Standoff Bushing with a 600 Amp T-Body and a 15kV Elbow Tap Plug and a 15 kV Elbow Arrester would have a stacking dimension of 16.83 inches (4.46 + 0.51 + 8.52 + 3.34).



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