

Deadbreak Junctions

FEATURES

- Available in 2, 3, 4 point configurations
- Deadfront, 15/28 kV or 35 kV, 600 or 900A Ratings
- EPDM molded rubber construction
- Optional corrosion resistant stainless steel (adjustable or stationary) mounting brackets for direct wall mounting
- Maintenance free, fully shielded, submersible
- Conforms to ANSI/IEEE Standard 386
- Heavy duty U-straps provide secure mounting for junctions

APPLICATIONS

- TE's Raychem 600A/900A deadbreak junction is available in both 15/28 kV and 35 kV Class versions. Deadbreak junctions are used with 600/900A elbows and accessories for connecting, establishing loops, tapping, and facilitating apparatus change out.
- They are commonly used in pad-mounted apparatus, sectionalizing cabinets, and underground vaults, where there is a critical use of space, flexibility, and operability.
- Applications include padmount, indoor/outdoor vault, subsurface

BENEFITS

- ♦ The junction provides two, three, or four deadbreak interfaces bused together and encapsulated in a molded, peroxide-cured EPDM insulated rubber body, with an EPDM peroxide-cured semi-conductive outer shield.
- ♦ Optional stationary or adjustable mounting brackets are available, assembled with the junctions themselves.
- ♦ 900A ratings are achieved by ordering the copper version, but require copper cable and other copper constructed components.
- ♦ Interchangeable with other manufacturers' products that also comply with this standard.



RATINGS

Voltage Class	15/28 kV	35 kV
Max. Rating Phase-to-Ground	16.2 kV	21.1 kV
Max. Rating Phase-to-Phase	28 kV	36.6 kV
AC 1 minute withstand	45 kV	50 kV
DC 15 minute withstand	88 kV	103 kV
BIL and full wave crest	140 kV	150 kV
Minimum Corona Level	21.5 kV (3pC)	26 kV (3pC)
Continuous	600/900A rms	600/900 A rms
24 Hour Overload	1,000A rms	1,000A rms
Momentary:		
600A	25,000 A symmetrical 10 cycles	
600A	10,000 A symmetrical 3.00 sec	
900A	40,000 A symmetrical 10 cycles	
900A	10,000 A symmetrical 3.00 sec	

PRODUCT SELECTION INFORMATION

Catalog Number	Current Rating	Size	Material
Junction with U-Strap 15/28 kV			
ELB-15/28-600-J2-AL	600A	J2	Aluminum
ELB-15/28-600-J3-AL	600A	J3	Aluminum
ELB-15/28-600-J4-AL	600A	J4	Aluminum
ELB-15/28-900-J2-CU	600/900A	J2	Copper
ELB-15/28-900-J3-CU	600/900A	J3	Copper
ELB-15/28-900-J4-CU	600/900A	J4	Copper
Junction with U-Strap 35 kV			
ELB-35-600-J2-AL	600A	J2	Aluminum
ELB-35-600-J3-AL	600A	J3	Aluminum
ELB-35-600-J4-AL	600A	J4	Aluminum
ELB-35-900-J2-CU	600/900A	J2	Copper
ELB-35-900-J3-CU	600/900A	J3	Copper
ELB-35-900-J4-CU	600/900A	J4	Copper
Junction with Stationary Bracket Included 15/28 kV			
ELB-15/28-600-J2-AL-STD	600A	J2	Aluminum
ELB-15/28-600-J3-AL-STD	600A	J3	Aluminum
ELB-15/28-600-J4-AL-STD	600A	J4	Aluminum
ELB-15/28-900-J2-CU-STD	600/900A	J2	Copper
ELB-15/28-900-J3-CU-STD	600/900A	J3	Copper
ELB-15/28-900-J4-CU-STD	600/900A	J4	Copper
Junction with Stationary Bracket Included 35 kV			
ELB-35-600-J2-AL-STD	600A	J2	Aluminum
ELB-35-600-J3-AL-STD	600A	J3	Aluminum
ELB-35-600-J4-AL-STD	600A	J4	Aluminum
ELB-35-900-J2-CU-STD	600/900A	J2	Copper
ELB-35-900-J3-CU-STD	600/900A	J3	Copper
ELB-35-900-J4-CU-STD	600/900A	J4	Copper
Junction with Adjustable Bracket Included 15/28 kV			
ELB-15/28-600-J2-AL-ADJ	600A	J2	Aluminum
ELB-15/28-600-J3-AL-ADJ	600A	J3	Aluminum
ELB-15/28-600-J4-AL-ADJ	600A	J4	Aluminum
ELB-15/28-900-J2-CU-ADJ	600/900A	J2	Copper
ELB-15/28-900-J3-CU-ADJ	600/900A	J3	Copper
ELB-15/28-900-J4-CU-ADJ	600/900A	J4	Copper
Junction with Adjustable Bracket Included 35 kV			
ELB-35-600-J2-AL-ADJ	600A	J2	Aluminum
ELB-35-600-J3-AL-ADJ	600A	J3	Aluminum
ELB-35-600-J4-AL-ADJ	600A	J4	Aluminum
ELB-35-900-J2-CU-ADJ	600/900A	J2	Copper
ELB-35-900-J3-CU-ADJ	600/900A	J3	Copper
ELB-35-900-J4-CU-ADJ	600/900A	J4	Copper



Related test reports: EDR-5508