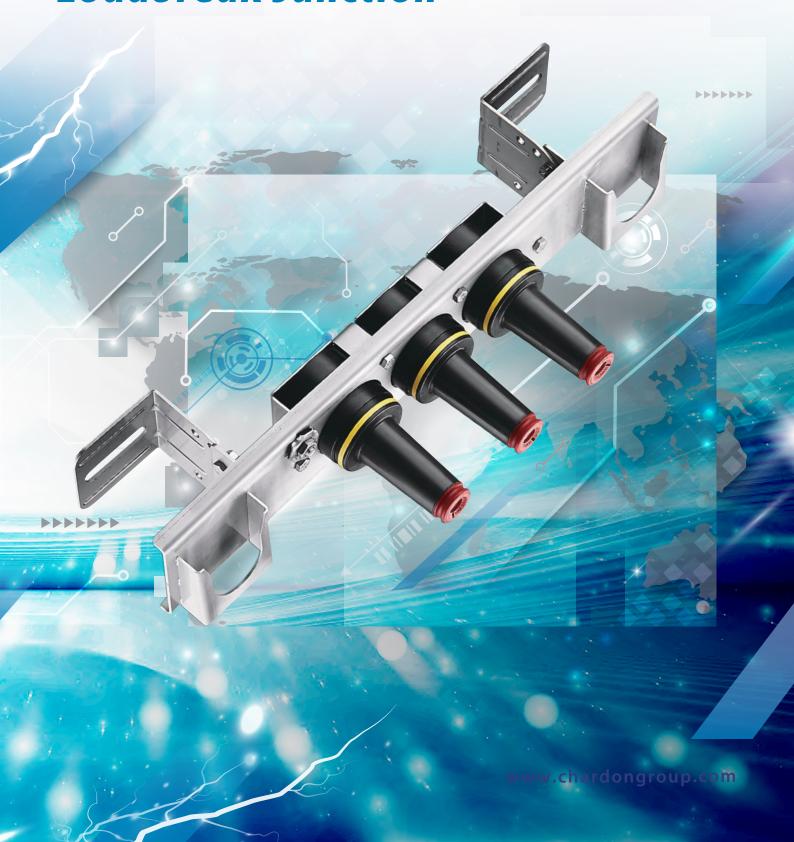


200A, 15 kV Class Loadbreak Junction



APPLICATION

The Chardon 200 A, 15 kV Class Loadbreak Junction provides two, three or four 8.3/14.4 kV loadbreak interfaces that are internally bused together and meet all requirements of IEEE Standard 386™ —Separable Insulated Connector Systems. Loadbreak junctions are used in pad-mounted apparatus, underground vaults, and other apparatus to sectionalize, establish loops, taps, or splices, and to facilitate apparatus changeouts.

Sectionalizing a cable run to find and isolate a cable fault is made easy when a loadbreak junction is used with 15 kV Class Loadbreak elbows and other accessories meeting the requirements of IEEE Standard 386™.

The Chardon Loadbreak design incorporates an all copper current carrying path, which provides reliable and consistent performance under all conditions.

The Chardon Loadbreak Junction meets all the requirements of IEEE standard 386, and is fullying interchangeable with competitor's products and mating products that also meet IEEE Standard 386. When installed with mating components, the loadbreak junction provides a fully shielded connection for loadbreak applications.

PRODUCTION TESTS

Tests conducted in accordance with IEEE/ANSI Standard 386.

- Minimum Corona Voltage Level 11 kV
- / AC 1 Minute Withstand 34 kV

Tests conducted in accordance with Chardon manufacturing process requirements:

- / Physical Inspection
- Periodic Dissection
- Periodic X-ray Analysis

VOLTAGE RATINGS

Voltage Class	15 kV
Max. Rating Phase to Phase	14.4 kV
Max. Rating Phase to Ground	8.3 kV
AC 1 Minute Withstand	34 kV
DC 15 Minute Withstand	53 kV
BIL and Full Wave Crest	95 kV
Minimum Corona Voltage Level	11 kV

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CURRENT RATINGS

Description	Test Parameters
Continuous	200 amps rms
Switching	10 operations at 200 amps rms at 14.4 kV
Fault Close	10,000 amps rms symmetrical at 14.4 kV for 0.17 s after 10 consecutive successful switching operations
Short Time	• 10,000 amps rms symmetrical for 0.17 s • 3,500 amps rms symmetrical for 3.0 s

DETAIL COMPOSITION OF THE CHARDON LOADBREAK JUNCTION

I ARC SNUFFER ASSEMBLY

Arc quenching material extinguishes gas during loadbreak operation.

/ STOP RING

Limit piston and finger contact travel during fault close.

/ CONTACT

Copper component transfers current from piston contact to bushing well stud.

I COPPER BUS BAR

Provide consistent current carry capability during operation.

/ LOCKING GROOVE

Locking groove assures propera installation by "locking" into elbow.

/ FINGER CONTACT

Tin plated copper contact provides a consistent current transfer during switching and fault close operations.

/ INDICATOR RING

Bright yellow ring provides close indication and assures a quality connection.

/ INSULATION LAYER

High quality peroxide cured EPDM insulation is mixed and formulated inhouse for complete control of rubber resistance.

I CONDUCTING SHIELD

Precision molded peroxide cured conducting shield provides ground shield continuity.

ORDERING INFORMATION

15kV, 200A Loadbreak Junction

Each kit contains:

- Loadbreak Junction (with mounted bracket or straps, depending on product ordered)
- Shipping Caps (not for energized operation)
- / Silicone Lubricant
- / Installation Instruction Sheet

ORDERING INFORMATION

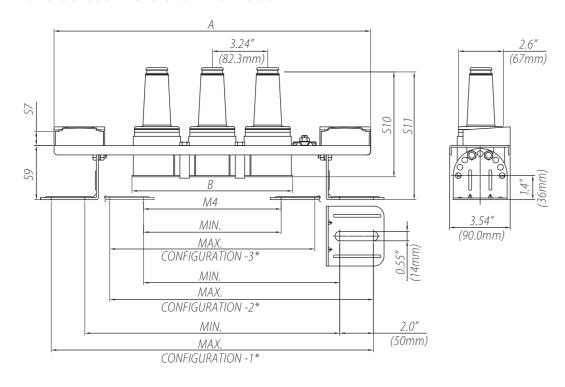
To order a Chardon 15 kV Fuse Elbow Kit, follow the steps below:

Part Description	Junction Only	Junction with bracket	Junction with U-Straps	
15kV 200A Junction-2	15-LJ200F2	15-LJ200F2SS	15-LJ200F2U	
15kV 200A Junction-3	15-LJ200F3	15-LJ200F3SS	15-LJ200F3U	
15kV 200A Junction-4	15-LJ200F4	15-LJ200F4SS	15-LJ200F4U	

Replacement Parts:

Description	Catalog Number		
U-Strap Kit (1 Strap)	15/25-LJ200U		
Stainless Steel Bracket -2 way	15-LJBKTF2		
Stainless Steel Bracket -3 way	15-LJBKTF3		
Stainless Steel Bracket -4 way	15-LJBKTF4		

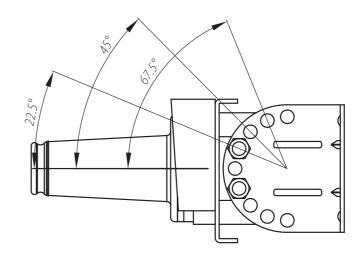
Junction with Bracket Dimensional Information



15kV			
Stacking Dimensions			
S7	0.8" (21mm)		
S9	3.2" (81mm)		
S10	6.1" (156mm)		
S11	7.5" (191mm)		
M4	See Dimensional Information		

	Physical Dimensions In. (mm)		M4 Mounting Dimensions in.(mm)					
Number of Interfaces A			Configuraation1		Configuraation2		Configuraation3	
	А	В	Min.	Max.	Min.	Max.	Min.	Max.
2	15.4 (390)	6.5 (164)	11.8 (300)	15.7 (400)	8.4 (213)	12.3 (313)	5.0 (126)	8.9 (226)
3	18.5 (470)	9.4 (239)	15.0 (380)	18.9 (480)	11.5 (293)	15.5 (393)	8.1 (206)	12.0 (306)
4	21.7 (550)	12.6 (321)	18.1 (460)	22.0 (560)	14.7 (373)	18.6 (473)	11.3 (28 6)	15.2 (386)

* Configuration 1. Both feet turned out. Configuration 2. One foot turned out, one in. Configuration 3. Both feet turned in.



Junction with U-straps Dimensional Information

