

600A, 25 kV Class
Elbow Tap Plug (ETP)
Loadbreak Reducing Tap Plug (LRTP)



APPLICATION

The Chardon Elbow Tap Plug (ETP) and Load Reducing Tap Plug (LRTP) are used to convert a standard 600A deadbreak interface to a standard 200A loadbreak interface.

The ETP is ideal for applications where a 200A tap is desired for test or ground purposes. The ETP is also ideal for adding a 200A tap to an existing 600A T-Body connector. The 200A interface allows for live test, visible ground, addition of a 200A tap, or installation of an elbow arrester.

The LRTP is ideal for applications where the termination will be separated to achieve a visible break and ground. Having the T-body and LRTP connected, as one unit, makes it easier to install and remove from the mating bushing interface. The 200A interface allows for live test, phasing, and visible ground. In

addition, it can be used to add a 200A tap, or for the installation of an elbow arrester. The LRTP has a factory installed alignment guide with a shear pin that allows the alignment guide to disengage after installation. When the LRTP is screwed into the threaded insert of a bushing extender or threaded 600/900A compression connector, the alignment guide disengages once the proper amount of torque is applied.

Both the ETP and LRTP meet all the requirements of IEEE Standard 386, and are 200A three phase switching and three phase fault close rated.

The Chardon ETP and LRTP incorporate an all copper current path. This provides reliable and consistent performance under all conditions.

VOLTAGE RATINGS

Voltage Class	25 kV
Max. Rating Phase to Phase	26.3 kV
Max. Rating Phase to Ground	15.2 kV
AC 1 Minute Withstand	40 kV
DC 15 Minute Withstand	78 kV
BIL and Full Wave Crest	125 kV
Partial Discharge	19 kV≤5pC

PRODUCTION TESTS

Tests conducted in accordance with IEEE/ANSI Standard 386.

- / Partial Discharge – 19 kV ≤5pC
- / AC 1 Minute Withstand – 40 kV

Tests conducted in accordance with Chardon manufacturing process requirements:

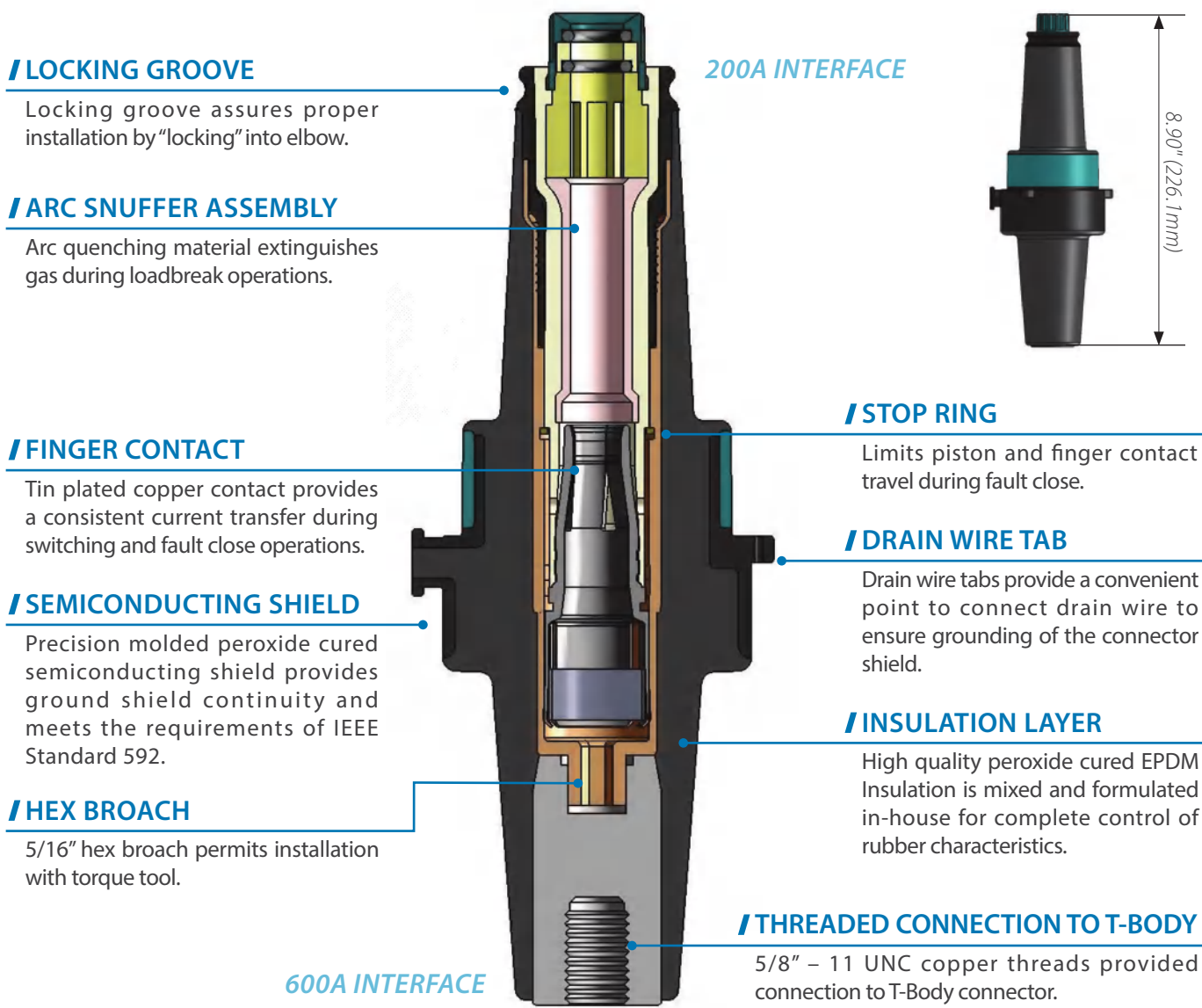
- / Physical Inspection
- / Periodic Dissection
- / Periodic X-ray Analysis

CURRENT RATINGS

	Description	Amperes
600A Interface	Continuous	600A rms
	Short Time	• 25,000A rms symmetrical for 0.17 s • 10,000A rms symmetrical for 3.0 s
200A Interface	Continuous	200A rms
	Switching	10 operations at 200 amps rms at 26.3 kV
	Fault Close	10,000A rms symmetrical at 26.3 kV for 0.17 s after 10 consecutive successful switching operations
	Short Time	• 10,000A rms symmetrical for 0.17s • 3,500A rms symmetrical for 3.0 s

Note :
System design and protection must recognize the ratings of 200A interface.

DETAILED COMPOSITION OF THE CHARDON ELBOW TAP PLUG (ETP)

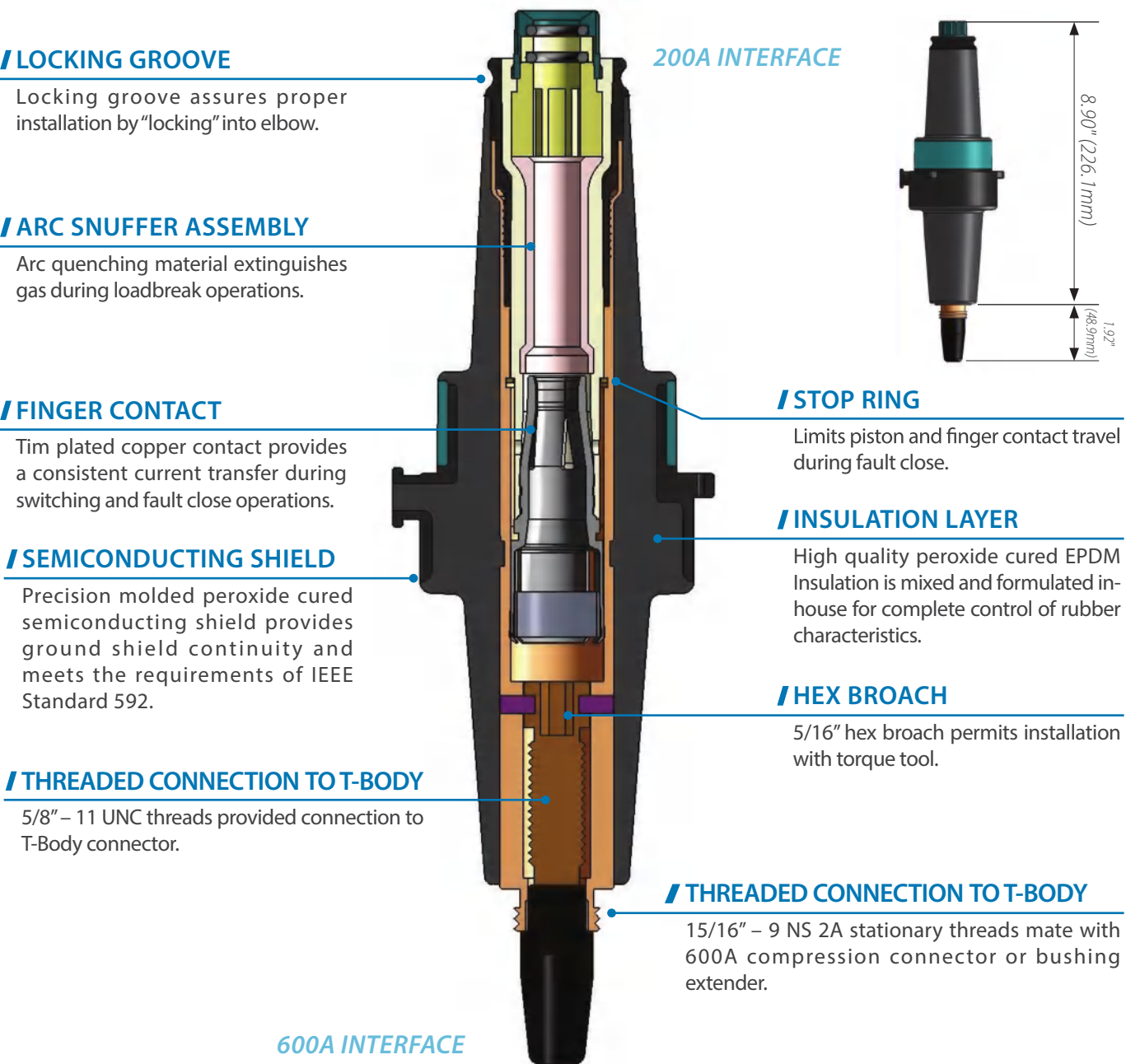


ORDERING INFORMATION

25 kV, 600A Elbow Tap Plug

25-ETP600

DETAILED COMPOSITION OF THE CHARDON LOAD REDUCING TAP PLUG (LRTP)



ORDERING INFORMATION

25 kV, 600A Load Reducing Tap Plug

25-LRTP600



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