

# **IEC Separable Connectors 72.5 kV/196kV-10kA**

**T-Body Arrester (Rear Coupling)**



APPLICATION

The Chardon T-body Surge Arreter, a fully screened and submersible arrester combined within a coupling (rear) T-body interace, is designed to protect apparatus such as transformers, switchgear, and other equipment from high voltage surges due to lighthning or switching. Suitable for 72.5 kV applications, the T-body Surge Arrester is ideal for indoor or outdoor use and can be utilized with all polymeric

cable types (XLPE,etc.) featuring copper or aluminum conductors. They are especially suited for demanding environments such as offshore platforms or wind farms, where long runs and large cable sizes are required. Fully submersible when mated with proper bushings or plugs, the Chardon T-body Arrester offers reliable protection and performance for utility systems.

KEY FEATURES

- / Provides a fully shielded and submersible connection when mated with the proper bushing or plug.
- / Type "F" 1250A interface.
- / Mounting can be vertical, horizontal, or any angle in between.
- / No minimum phase clearance requirements.
- / 100% electrical tested at factory.

PRODUCT RATINGS

Rated Voltage	72.5 kV
Continuous Operating VoltageU	60 kV
DC 1 mA Reference Voltage	≥103 kV
Leak Current at 0.75 U 1mA	≤50 uA
Nominal Discharge Current	10 kA
Charge Transfer Rating Qrs	1.3 C
Arrester Class	SL
Short Circuit Current	31.5 kA
High Current Impulse 4/10 us	100 kA
Steep Current Residual Voltage Test at 10 kA	225 kV
Lightning current residual voltage at 10 kA	196 kV
Switching Impulse Residual Voltage at 500A	183 kV

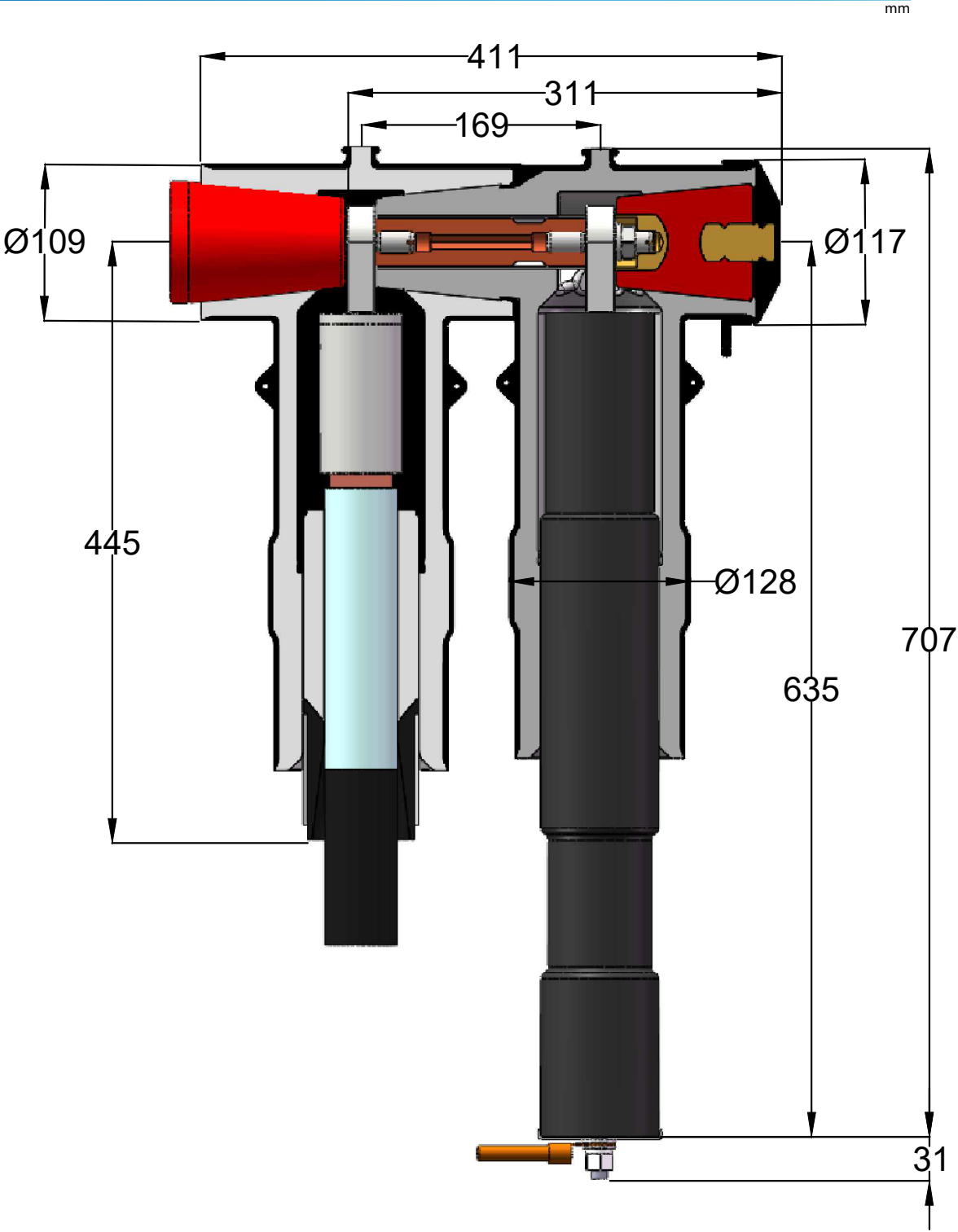
Tests conducted in accordance with IEC 60099-4 and GB/T 11032.

PRODUCTION TESTS

- / Minimum Corona Voltage Level – 63 kV < 10pC
- / Voltage of DC 1mA Current - ≥ 103 kV

• Revision date: 07-30-2024

DIMENSIONS OF THE CHARDON 72.5 kV T-BODY ARRESTER



ORDERING INFORMATION

72.5 kV/196kV 10kA Coupling (Rear) T-body Surge Arrester

72.5-RDTA196



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