

**IEC Separable Connectors
51 kV/134 kV Coupling (Rear)
T-Body Surge Arrester**



APPLICATION

The Chardon T-Body Surge Arrester is an arrester combined within a coupling (rear) T-Body interface. It is designed to protect

apparatus, including transformers, switchgear, and other equipment from high voltage surges due to lightning or switching.

KEY FEATURES

- Provides fully shielded deadfront arrester protection.
- Metal (zinc) Oxide Varistor (MOV) gapless design.
- EPDM insulation rubber molded around MOV module.
- Mounting can be vertical, horizontal, or any angle in between.
- No minimum phase clearance requirements.
- 100% electrical tested at factory.

PRODUCT RATINGS

Maximum Voltage Class (Ur)	51 kV
Nominal Discharge Current of Arrester	5 kA / 10 kA
Residual Voltage of Nominal Discharge Current	≤ 134 kV
Maximum Continuous Operating Voltage	40.8 kV
Voltage of DC 1mA Current	≥ 73 kV

PRODUCTION TESTS

Tests conducted in accordance with IEC 60099-4.

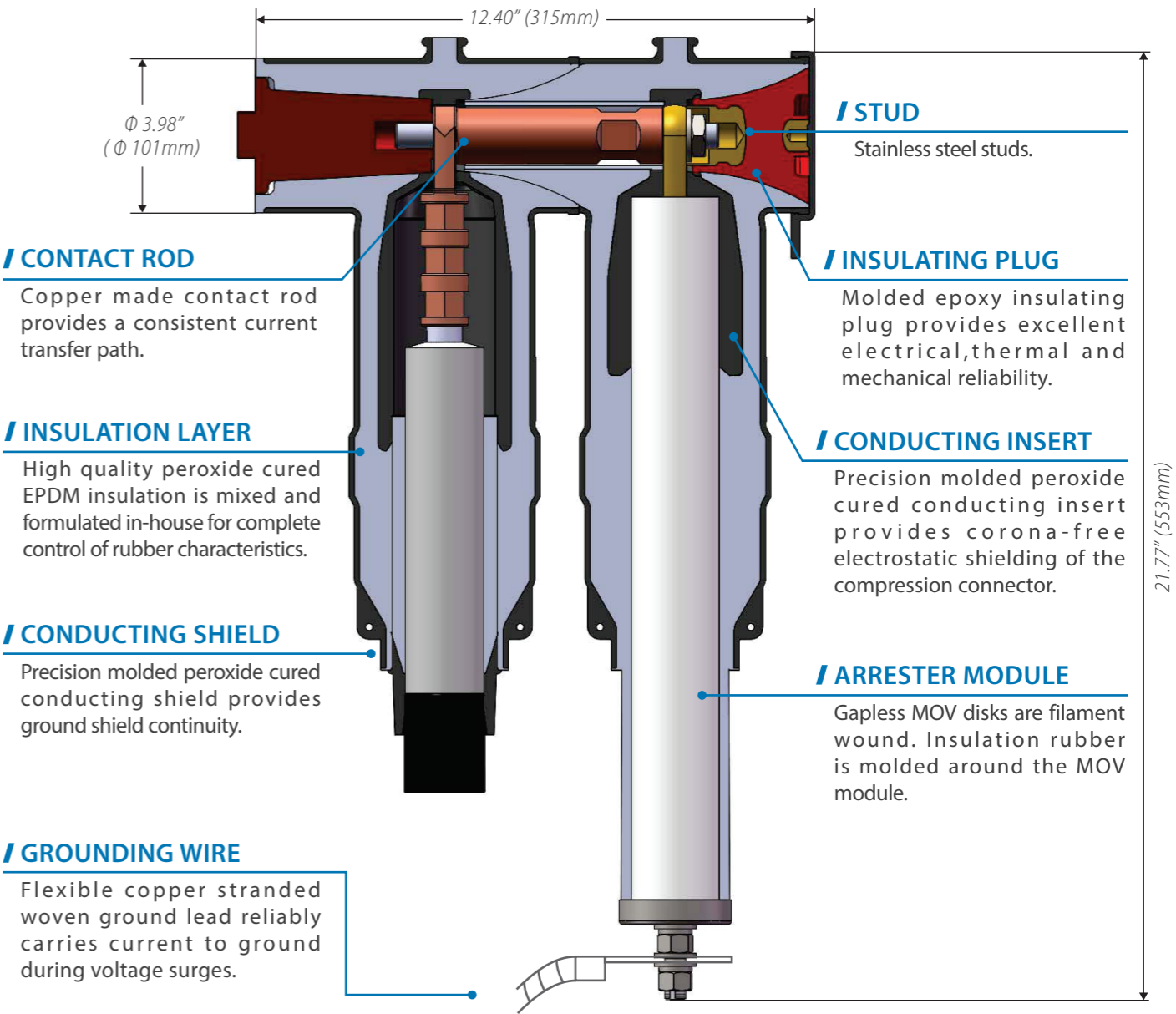
- Partial Discharge – 43kV < 3pC
- Voltage of DC 1mA Current – ≥ 73kV

Tests conducted in accordance with Chardon manufacturing process requirements:

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

• 51-RDTA134-12152025REV03

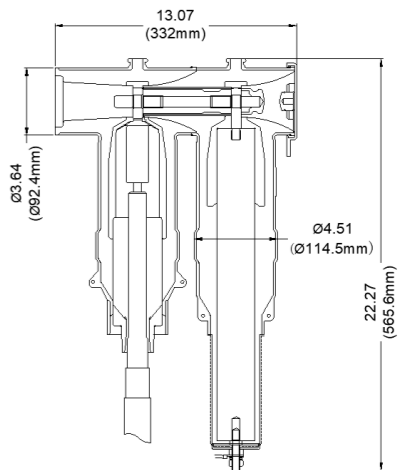
DETAILED COMPOSITION OF THE CHARDON 51 KV/134 KV FRONT T-BODY SURGE ARRESTER



ORDERING INFORMATION

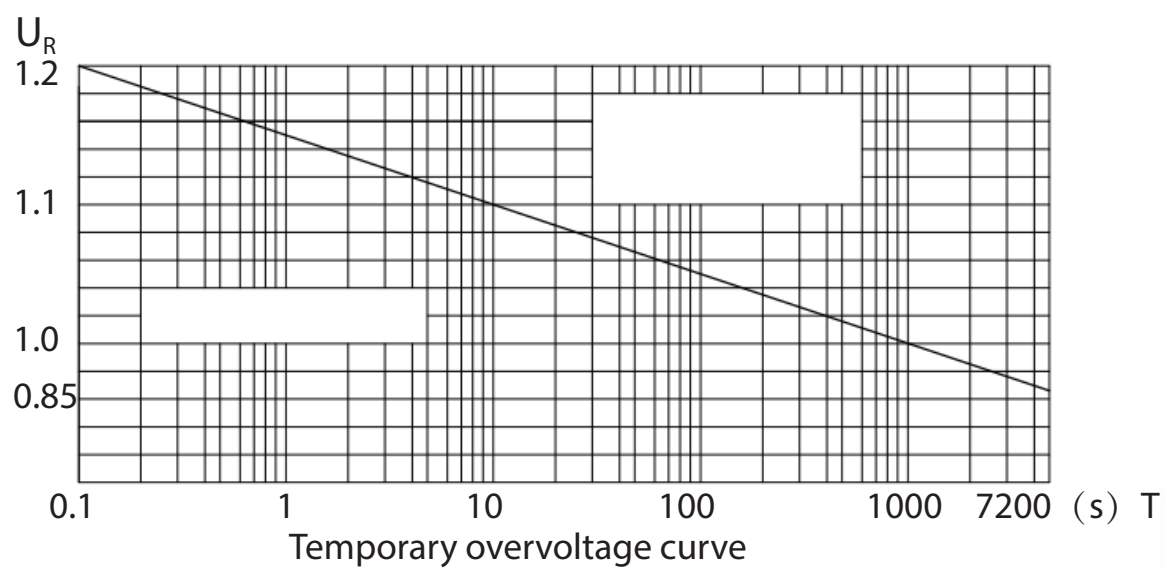
51kV / 134kV 5kA Coupling (Rear) T-body Surge Arrester	51-RDTA134
--	------------

Note:
Coupling T-body: 42-FDT250, 42-RDT1250



Temporary overvoltage (TOV) capability

The Temporary Overvoltage (TOV) capability of the surge arrester is shown as below



CHARDON TAIWAN CORPORATION

No.37 Min-Chie Road, Tung Lo
Industrial Park, Miao Li, Taiwan 366

Tel : +886-37-984385

Fax : +886-37-984770

www.chardongroup.com • info@chardongroup.com