

IEC Separable Connectors 36/102kV-42kV 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.
- I EPDM insulation rubber molded around MOV module.
- / Mounting can be vertical, horizontal, or any angle in between.
- / No minimum phase clearance requirements.
- 1 100% electrical tested at factory.

PRODUCT RATINGS

36-			

Rated Voltage Class (Ur)	36 kV
Nominal Discharge Current of Arrester	10 kA
Residual Voltage of Nominal Discharge Current	<102 kV
Maximum Continuous Operating Voltage	28.8 kV
Voltage of DC 1mA Current	≥51.6 kV

PRODUCTION TESTS

Tests conducted in accordance with IEC 60099-4.

- Partial Discharge 30.24kV<3pC</p>
- I Voltage of DC 1mA Current ≥ 51.6 kV

Tests conducted in accordance with Chardon manufacturing process requirements:

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

· 36-RDTA102-08292025-REV01

DETAILED COMPOSITION OF THE CHARDON 36 KV/102KV COUPLING (REAR) T-BODY SURGE ARRESTER

/ CONTACT ROD

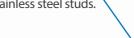
transfer path.

Copper made contact rod

provides a consistent current

/ STUD

Stainless steel studs.



Molded epoxy insulating plug provides excellent electrical, thermal and

mechanical reliability.

/ INSULATING PLUG

I CONDUCTING SHIELD

Precision molded peroxide cured conducting shield provides ground shield continuity.

Precision molded peroxide

CONDUCTING INSERT

cured conducting insert provides corona-free electrostatic shielding of the compression connector.

/ INSULATION LAYER

High quality peroxide cured EPDM insulation is mixed and formulated in-house complete control of rubber characteristics.

ARRESTER MODULE

Gapless MOV disks are filament wound. Insulation rubber is

/ GROUNDING WIRE

Flexible copper stranded woven ground lead reliably carries current to ground during voltage surges.

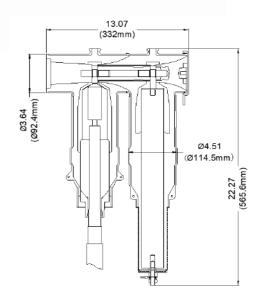
molded around the MOV module.

ORDERING INFORMATION

IEC 42/102 kV 10kA Rear T-body **Surge Arrester**

36-RDTA102-10-42

Coupling T-body: 36-FDT630, 36-RDT630, 36-FDT1250







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