

Phase Segregated Terminal Box

ATEX / IECEx
Gas & Dust Certified

Technical Specifications

Max. Rating:

11kV, 810A (uncertified) // 545A (certified)

Fault Capacity:

250 MVA @ 3.3kV // 500 MVA @ 6.6kV // 833 MVA @ 11kV

Fault Tested:

44kA for 0.25 secs (Phase to earth)

Certificate Numbers:

03ATEX3222U // IECEx SIR 10.0147U
Ex eb IIC Gb, Ex tb IIIC IP66 Db, II 2 GD

03ATEX4223U // IECEx SIR 10.0146U
Ex ec IIC Gc, Ex tc IIIC IP66 Dc, II 3 GD

Service Temperature Range:

-20 deg C to +90 deg C (maximum)

General Specifications

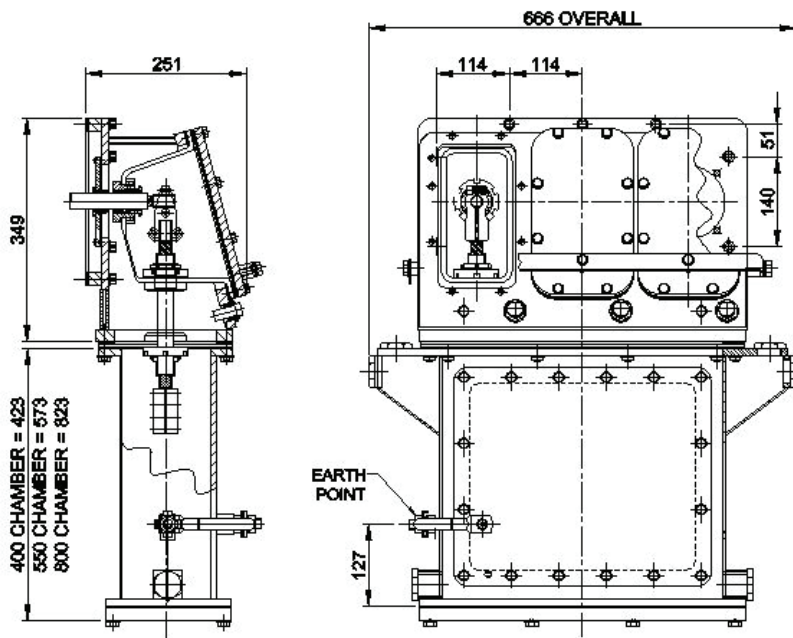
- IP67 rated for outdoor applications
- Dust protection
- Internal pressure relief
- 12 sealing chamber options to suit
- Replaceable indicating desiccators
- Supply cable entry from any direction
- Adaptor required if side entry
- 20mm blank steel gland plate
- Neutral (star point) version available
- 1 equipment cable per phase only

Technical Data

Phase segregated terminal boxes eliminate phase to phase faults. In the event of a fault developing between phase and earth in one of the glass reinforced plastic terminal enclosures, the rapid build up of pressure will cause the enclosure to fracture across the rear wall, thus releasing hot gases and flame into the steel phase segregating compartment.

If the fault energy is low it is likely that the fault products will be contained within the compartment. If the fault energy is excessive, then the relief disc will fail and the fault product will pass into the equipment interior where it will rapidly cool and disperse. By venting into the equipment space, phase to phase faults are eliminated.

- A fabricated steel casing welded to heavy gauge back and front plates encloses an inner fabricated steel shell and steel barriers extending from top to bottom.
- Three distinct segregated phase compartments shrouded by steel walls are solidly connected to earth. The inner skin is designed to prevent hot gases discharging into the atmosphere removing consequent danger to personnel.
- Dessicator units provide a visual indication of moisture within the box in any phase.
- Equipment interior and intermediate cables pass through moisture tight compression glands in the enclosure.
- Each terminal is enclosed within glass reinforced plastic moulded type enclosures.



Key contact Information

To request a quotation or further information
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