GDT-100-350-RPU

Install

Installation or removal
The GDT-100-350-RPU is designed as a direct replacement for an old Safetran type spark gap, using the existing 0BA/M6 mounting studs in the trackside housing.
The GDT-100-350-RPU is not polarity sensitive so can be mounted in either orientation on the back-plate inside the housing.

Replacement of GDT or existing 'Safetran type spark gap device'

1. Consult and follow the local operational rules for working on live signalling systems.
2. To remove the old spark gap or to replace a damaged GDT-100-350-RPU, open the housing and loosen and remove any locking nuts from the mounting studs at either end of the device. The photo below shows a typical backplate mounting for a trackside housing.
3. Loosen the two bottom nuts and twist around the old GDT unit until it is free of the studs and remove it.
4. Insert the new unit and twist it until both terminal forks are located on the studs correctly, tighten the bottom nuts to the designated torque.
5. Replace any locking nuts removed and tighten these.
6. Make any tests required by local operational rules
7. Replace the housing cover.

Typical backplate assembly of GDT-100-350-RPUs for a trackside housing

Specifications

Electrical Specifications

Connection type		Shunt
DC spark over voltage	U_c	350V

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		65°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		M6 stud mount
Environmental rating		IP67

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