

GDT Surge Protectors

Novaris GDT surge protectors provides a means to electrically protect railway signalling systems during transient disturbances by limiting the damaging potential differences normally seen during a surge. The GDT protector is designed as a direct replacement for Safetrans protectors, providing a more predictable transient response.

Once the disturbance has passed the earth clamp will automatically reset and electronic systems can return to normal operation, thereby minimising costly downtime.



GDT-100-350-RPU



Electrical Specifications		
Connection Type		Shunt
Active element		Gas Discharge Tube (GDT)
DC spark over voltage	U_c	350V
Voltage tolerance		± 20%
Discharge current 8/20µs	I_{max}	100kA
Voltage Protection @ 3kA (8/20µs)	U_p	<1.0kV
Isolation resistance		>10 ¹⁰ Ω
Capacitance		<10pF

Mechanical Specifications	
Operating temperature / humidity	-40 to +75°C / 05to 95% non-condensing
Connection type	Safetrans 022700 Series Base
Environmental	IP 60
Weight	180g

Dimensions	
Width	72mm
Height	16mm
Depth	25mm

Standards Compliance

- AS/NZS 1768
- IEEE C62.41
- BS 6651
- CP 33
- IEC 61643