

GDT-100-350-RPU



Image for illustrative purposes only

Track circuit surge protectors

Novaris GDT surge protectors provides a means to electrically clamp different earthing systems together during transient disturbances, thereby limiting the damaging potential differences normally seen during a surge.

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

The GDT-100-350-RPU is a direct replacement for early technology air gap and MOV based surge protector components typically used for railway track circuit signalling.

Specifications

Electrical Specifications

Connection type		Shunt
Active elements		Gas discharge tube (GDT)
DC spark over voltage	U_c	350V
Voltage tolerance		20%
Maximum discharge current (8/20 μ s)	I_{max}	150kA
Nominal discharge current (8/20 μ s)	I_n	100kA
Lightning impulse current (10/350 μ s)	I_{imp}	30kA
Voltage protection level @ 1kV/ μ s		<800V
Isolation resistance		10G Ω
Capacitance		<10pF

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
Length		25mm
Width		72mm
Height		16mm

Shipping Specifications

Weight		25g
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Other Specifications

Product Code		GDT-100-350-RPU
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