

Product Datasheet

TSC1-CT

Transient surge counter

Use the Novaris range of Transient Surge Counters to monitor the level of surge activity at your site. This information can be used to monitor the effectiveness of the installed structural and surge protection equipment.

Structural and Surge Protection Monitoring

The TSC series comes in a variety of configurations to suit a wide range of monitoring applications. The TSC1-IP65 is designed to be installed on downconductors such as those used in structural protection or even tower legs. This gives an indication of direct strike activity. The TSC1-DIN range is designed for monitoring earth conductors directly or indirectly via a current transformer. This gives an indication of the effectiveness of the surge protection devices on site by monitoring the SPDs earth connection.

Sensitive but with excellent noise rejection

The Novaris TSC range is sensitive enough to detect a surge lasting for a fraction of a millisecond at only 100A but will reject all background noise to deliver accurate results.



Image for illustrative purposes only

Specifications

Electrical Specifications

Connection type		Shunt
Sensitivity		100A
Discharge current (8/20 μ s)	I_{max}	200kA
Battery life of counter		7 years

Shipping Specifications

Weight		310g
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Other Specifications

Product Code		TSC1-CT
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Indication Specifications

Display		Resettable LCD
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Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Aluminium
Enclosure finish		Black powdercoat
Length		80mm
Width		54mm
Height		95mm
Dimensional tolerance		0.5mm
Lead length		1m

Standard Specifications

IEC 62561-6	Requirements for lightning strike counters (LSC)
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