



TSC Transient Surge Counter

Novaris Transient Surge Counters count direct lightning strikes and transient events. They may be clamped to the downconductor of a building or tower or in the earth return conductor of a surge diverter or filter. The EC version also acts as a transient earth clamp.



	TSC1-IP65	TSC1-DIN	TSC1-DIN-EC
Electrical Specifications			
Sensitivity	150A		
DC spark over voltage	U_c	-	230V
Discharge current 8/20 μ s	I_{max}	-	150kA
Battery life of counter	7 years		
Display	Resettable, LCD		
Active element	-	-	GDT
Voltage tolerance	-	-	$\pm 20\%$
Isolation resistance	-	-	$>10^{10}\Omega$
Capacitance	-	-	$<4pF$
Mechanical Specifications			
Operating temperature / humidity	-40 to +70°C / 5 to 95% non-condensing		
Terminal capacity	-	-	16mm ²
Terminal screw torque	-	-	2.5Nm
Environmental	IP 65	-	IP 20
Mounting	Clamp	-	TS35 DIN rail
Counter connection	-	-	2-way plug
Weight	400g	-	600g
Dimensions			
Width	80mm	-	54mm
Height	110mm	-	95mm
Depth	65mm	-	80mm

Standards Compliance
IEC 62561-6