



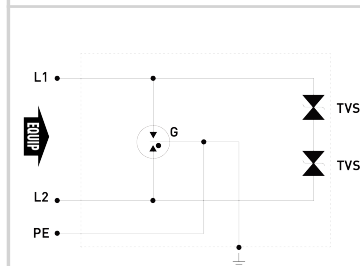
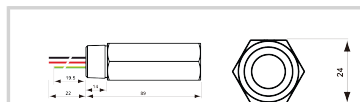
CITEL

Intrinsically safe dataline Surge Protector for hazardous area mounting.

TSP-P2-48-NH-EX/C



• Intrinsically safe and flameproof follow GB standards • Max discharge current I_{max}: 20kA • EX certification (CCC) approved • Complies with IEC 61643-21, GB/T 18802.21, GB/T 3836.1, GB/T 3836.4



P: 3-electrode GDT
R: Resistor
D: Clamping diode

Electrical Characteristics

SPD type	IEC	2+3
Network		RS232, RS485, 4-20mA
Nominal line voltage	Un	24 Vdc
Max. DC operating voltage	Uc	48 Vdc
Max. frequency	f max.	2 MHz
Insertion loss		≤ 0.5 dB
Nominal discharge current 15 x 8/20 μs impulses	In	10 kAL-PE
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	20 kA
Impulse current by pole max. withstand 10/350 μs by pole	I _{imp}	5 kAL-PE
Line inductance (± 10 %)		non
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000 μs), 300 applications@10 A, Y-C (Line/Earth)	Up	600 V
Line/Line Nominal discharge current C2 Category	In L/L	10 kA

Mechanical Characteristics

IP degree		IP67
Technology		GDT+TVS diode
SPD configuration		2 wires
Connection to Network		Built-in AWG 16# wires L is 22mm, PE is 19.5mm
Format		Mounting with threaded interface
Mounting		1/2"NPT thread interface
Housing material		316 stainless steel
Operating temperature	Tu	-40/+85°C
Dimensions		See diagram

Standards

Standards compliance		IEC 61643-21, GB/T 18802.21, GB/T 3836.1, GB/T 3836.4
Certification		CCC

Part number

86210622119

