



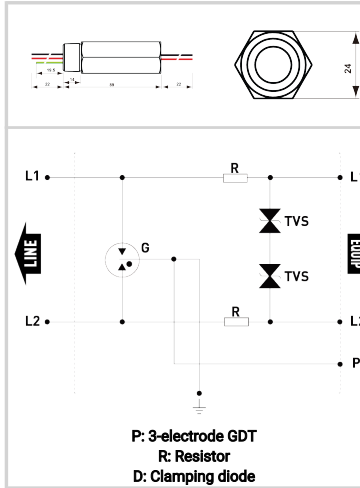
CITEL

Intrinsically safe dataline Surge Protector for hazardous area mounting.

TSP-S2-48-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



Electrical Characteristics			
SPD type	IEC	2+3	
Network		RS232, RS485, 4-20mA	
Nominal line voltage	U_n	24 Vdc	
Max. DC operating voltage	U_c	48 Vdc	
Max. frequency	f_{max}	2 MHz	
Insertion loss		< 0,5 dB	
Max. load current @25°C	I_L	500 mA	
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I_n	10 kAL-PE	
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	20 kA	
Impulse current by pole <i>max. withstand 10/350μs by pole</i>	I_{imp}	5 kAL-PE	
Line inductance ($\pm 10\%$)		non	
Protection mode(s)		Common/Differential mode	
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i>	Up	150 V	
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)</i>	Up	600 V	
Line/Line Nominal discharge current <i>C2 Category</i>	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# wiresL is 22mm,PE is 19.5mm	
Format		Mounting with threaded interface	
Mounting		1/2"NPT thread interface	
Housing material		316 stainless steel	
Operating temperature	T_u	-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			
86220622119			

