



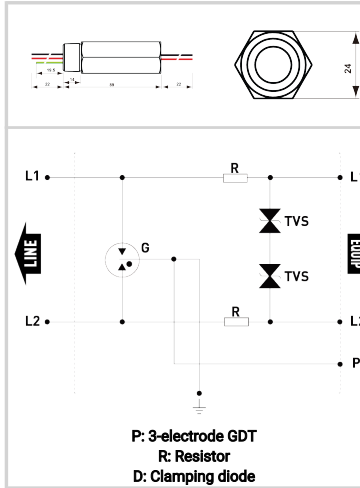
CITEL

Intrinsically safe dataline Surge Protector for hazardous area mounting.

TSP-S2-48-M-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	Un	24 Vdc	
Max. DC operating voltage	Uc	48 Vdc	
Max. frequency	f max.	2 MHz	
Insertion loss		< 0,5 dB	
Max. load current @25°C	IL	500 mA	
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 10/350µs by pole	I _{imp}	5 kAL-PE	
Line inductance (± 10 %)		non	
Protection mode(s)		Common/Differential mode	
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)	Up	150 V	
Protection Level C3 (10/1000µs), 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# wiresL is 22mm,PE is 19.5mm	
Format		Mounting with threaded interface	
Mounting		M20 thread connection	
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			
86220612119			

