



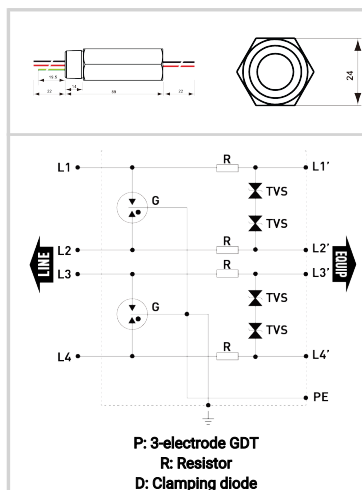
CITEL

Intrinsically safe dataline Surge Protector for hazardous area mounting.

TSP-S4-48-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	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		4 wires
Connection to Network		Built-in AWG 16# wires L is 22mm, PE is 19.5mm
Format		Mounting with threaded interface
Mounting		M20 thread connection
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

86220614119

