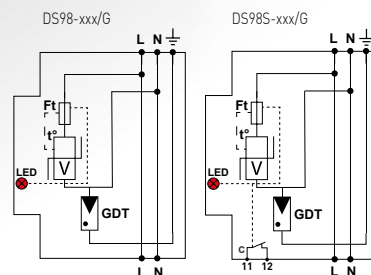
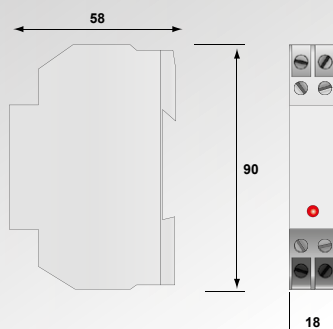
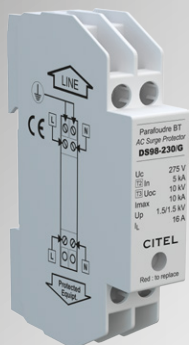


Single-phase Type 2 (or 3) Surge Protectors DS98-xxx/G



CITEL

I_{max}
10 kA



V : MOV
GDT : Gas tube
Ft : Thermal fuse
t° : Thermal disconnection mechanism
LED : Disconnector indicator
C : Remote signaling contact

- **Cost effective Single phase Surge Protector**
- **Type 2 (or 3) monobloc**
- **In: 5 kA**
- **I_{max}: 10 kA**
- **Common/Differential mode**
- **End of life controlled : disconnection and indication**
- **Remote signaling (option)**
- **IEC 61643-11, EN 61643-11 and UL1449 ed.4 compliance**

Characteristics

CITEL Model		DS98-230/G	DS98-120/G
Description		Compact single-phase type 2 (or 3) SPD - 230 V - Monobloc	Compact single-phase type 2 (or 3) SPD - 120 V - Monobloc
Network		230 V single phase	120 V single phase
Connection mode		L/N/PE	L/N/PE
AC system		TT-TN	TT-TN
Max. AC operating voltage	Uc	275 Vac	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	335 Vac withstand	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn	UT	440 Vac disconnection	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	UT	1200 V/300A/200 ms disconnection	1200 V/300A/200 ms disconnection
Residual current - Leakage current at Uc	Ipe	None	None
Max. Load current	IL	16 A	16 A
Follow current	If	None	None
Nominal discharge current - 15 x 8/20 µs impulses	In	5 kA	5 kA
Max. discharge current -max. withstand @ 8/20 µs by pole	I _{max}	10 kA	10 kA
Withstand on Combination waveform - Class III test	Uoc	10 kV	10 kV
Protection level CM/DM @In (8/20µs) and @ 6kV (1.2/50µs) ^[2]	Up	1.5 kV/ 1.5 kV	1 kV/ 0.7 kV
Admissible short-circuit current	Iscrr	10000 A	10000 A
Associated disconnectors			
Thermal disconnector		internal	
Fuses ^[1]		Fuses type gG - 20A	
Installation ground fault breaker		Type "S" or delayed	
Mechanical characteristics			
Dimensions		see diagram	
Connection to Network		by screw terminals: 2.5 mm² max.	
Failsafe behavior		Disconnection SPD	
Disconnection indicator		Red light on	
Remote signaling of disconnection		option DS98S-230/G	option DS98S-120/G
Mounting		Symmetrical rail 35 mm (EN60715)	
Operating temperature		-40/+85°C	
Protection rating		IP20	
Housing material		Thermoplastic UL94-V0	
Standards compliance		IEC 61643-11 / EN 61643-11 / NF EN 61643-11	
Part number		350923	-

Note 1: For further information, please consult product instructions.

Note 2 : MC = Common mode (L/PE or N/PE)/ MD = Differential mode (L/N)

