

Single-phase Type 2 (or 3) Surge Protectors DS98 series

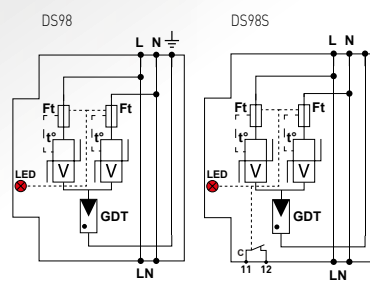
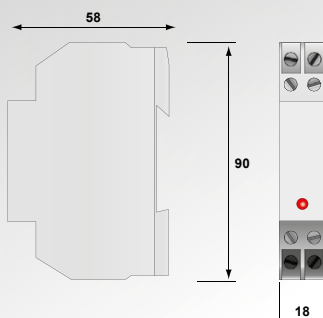


CITEL

I_{max}
10 kA



DS98-400



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**
- **Failsafe operation : SPD disconnection**
- **Remote signaling**
- **IEC 61643-11, EN 61643-11 and UL1449 ed.4 compliance**

Characteristics

CITEL Model	DS98-400	DS98-120
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	TN	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
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)	Up 1.5 kV/ 1.5 kV	0.7 kV/ 0.7 kV
Admissible short-circuit current	Iscrr 10000 A	10000 A
Associated disconnectors		
Thermal disconnector	internal	
Fuses	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 mm ² max.	
Failsafe behavior	Disconnection SPD	Disconnection SPD
Disconnection indicator	Red light on	
Remote signaling of disconnection	option DS98S-400	option DS98S-120
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 / UL1449 ed.3	
Certification	GOST	
Part number	3509011	3509012

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

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

