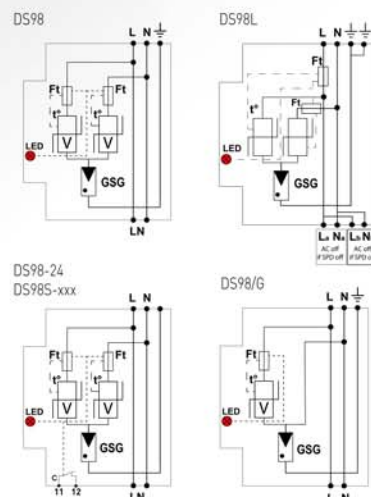
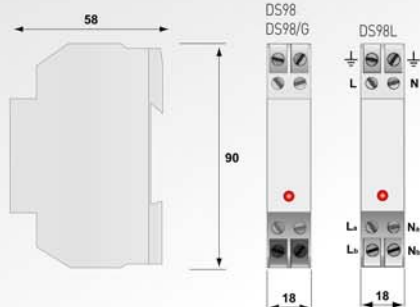


1-phase Type 2 (or 3) Surge Protector DS98 series

**Imax
3-10 kA**



V: MOV
GSG: Specific GDT
F: 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 : AC disconnection or SPD disconnection
- Remote signaling in option
- IEC 61643-11, EN 61643-11 and UL1449 ed.4 compliance

Characteristics

CITEL Model	DS98-230/G	DS98-400	DS98L-400	DS98-120	DS98L-120	DS98-24
Description	Compact single-phase type 2 (or 3) surge protector - 230 V - Monobloc			Compact single-phase type 2 (or 3) surge protector - 120 V - Monobloc		Compact single-phase type 2 (or 3) SPD - Monobloc
Network	230 V single phase	230 V single phase	230 V single phase	120 V single phase	120 V single phase	24 V single phase
Connection mode	L/N/PE	L/N/PE	L/N/PE	L/N/PE	L/N/PE	-
AC system	TT-TN	TN	TN	TN	TN	-
Max. AC operating voltage	Uc 275 Vac	275 Vac	275 Vac	150 Vac	150 Vac	28 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT 335 Vac withstand	335 Vac withstand	335 Vac withstand	180 Vac withstand	180 Vac withstand	-
Temporary Over Voltage (TOV) Characteristics - 120mm	UT 440 Vac disconnection	440 Vac disconnection	440 Vac disconnection	230 Vac disconnection	230 Vac disconnection	-
Temporary Over Voltage N/PE (TOV HT)	UT 1200V/300A/200 ms withstand	-	-	-	-	-
Residual current - Leakage current at Uc	I _{pe} None	None	None	None	None	None
Max. Load current	IL 16 A	16 A	16 A	16 A	16 A	16 A
Follow current	I _f None	None	None	None	None	None
Nominal discharge current - 15 x 8/20 μs impulses	I _n 5 kA	5 kA	5 kA	5 kA	5 kA	1.5 kA
Max. discharge current - max. withstand @ 8/20 μs by pole	I _{max} 10 kA	10 kA	10 kA	10 kA	10 kA	3 kA
Withstand on Combination waveform - Class III test	U _{oc} 10 kV	10 kV	10 kV	10 kV	10 kV	3 kV
Protection level CM/DM* @I _n (8/20μs) and @ 6kV (1.2/50μs)	Up 1.5 kV/ 1.5 kV	1.5 kV/ 1.5 kV	1.5 kV/ 1.5 kV	0.7 kV/ 0.7 kV	1.5 kV/ 1.2 kV	650 V/220 V
Admissible short-circuit current	I _{sc} 10000 A	10000 A	10000 A	10000 A	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	AC network cutt-off	Disconnection SPD	AC network cutt-off	Disconnection SPD - Remote signaling
Disconnection indicator	Red light on					Red light on
Remote signaling of disconnection	option DS98S-230/G	option DS98S-400	No	option DS98S-120	No	Contact NF open***
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 / UL1449 ed.4					
Certification	EAC					
Part number	350923	3509011	3519011	3509012	3519012	350904