

Type 2 AC Surge Protector + RFI Filtering DS40HFS series

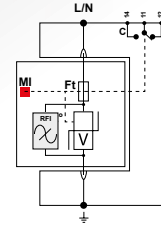
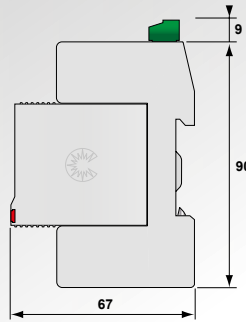


CITEL

**I_{max}
40 kA**



DS41HFS-120



V : MOV
GDT : Gas tube
Ft : Thermal fuse
t° : Thermal disconnection mechanism
RFI : RFI Filtering

- **Type 2 AC surge protector**
- **RFI Filtering integrated**
- **I_n: 20 kA**
- **I_{max}: 40 kA**
- **Pluggable module**
- **Remote signaling**
- **IEC 61643-11, EN 61643-11 and UL1449 ed.4 compliance**

Characteristics

CITEL Model	DS41HFS-230	DS41HFS-120
Description	Type 2 AC surge protector + RFI filtering	
Network	230/400 V	120/208 V
Connection mode	L/N or N/PE	L/N or N/PE
Max. AC operating voltage	Uc 255 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	I _{pe} < 1 mA	< 1 mA
Follow current	I _f None	None
Nominal discharge current - 15 x 8/20 μs impulses	I _n 20 kA	20 kA
Max. discharge current - max. withstand @ 8/20 μs by pole	I _{max} 40 kA	40 kA
Protection level	Up 1.25 kV	0.9 kV
Admissible short-circuit current	I _{sc} 25000 A	25000 A
RFI Filtering	0.1-30 Mhz	0.1-30 Mhz
Max. shunt capacitance	0,22 μF	0,22 μF
Associated disconnectors		
Thermal disconnector	internal	
Fuses	Fuses type gG - 50 A	
Installation ground fault breaker	Type "S" or delayed	
Mechanical characteristics		
Dimensions	see diagram	
Connection to Network	by screw terminals: 2.5-25 mm ²	
Disconnection indicator	1 mechanical indicator	
Remote signaling of disconnection	output on changeover contact	
Spare unit	DSM40HF-230	DSM40HF-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 / UL1449 ed.4	
Certification	UL / CSA / EAC	UL / CSA / EAC
Part number	461590	461690

