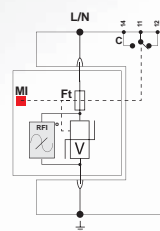
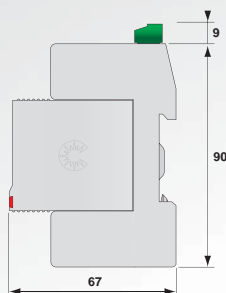


# Type 2 AC Surge Protector and RFI Filtering DS40HF series



DS41HF-120



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

- Type 2 AC surge protector
- RFI Filtering
- In: 20 kA
- I<sub>max</sub>: 40 kA
- Pluggable module
- Remote signaling option
- 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	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 <sub>pe</sub> < 1 mA	< 1 mA
Follow current	I <sub>f</sub> None	None
Nominal discharge current - 15 x 8/20 μs impulses	I <sub>n</sub> 20 kA	20 kA
Max. discharge current - max. withstand @ 8/20 μs by pole	I <sub>max</sub> 40 kA	40 kA
Protection level	U <sub>p</sub> 1.25 kV	0.9 kV
Admissible short-circuit current	I <sub>sc</sub> 25000 A	25000 A
RFI Filtering	0.1-30 Mhz	0.1-30 Mhz
Max. shunt capacitance	0,22 μF	0,22 μF
<b>Associated disconnectors</b>		
Thermal disconnector	internal	
Fuses	Fuses type gG - 50 A	
Installation ground fault breaker	Type «S» or delayed	
<b>Mechanical characteristics</b>		
Dimensions	see diagram	
Connection to Network	by screw terminals: 2.5-25 mm <sup>2</sup>	
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 / NF EN 61643-11 / UL1449 ed.4	
Certification	UL / CSA / GOST	UL / CSA / GOST
Part number	461590	461690

