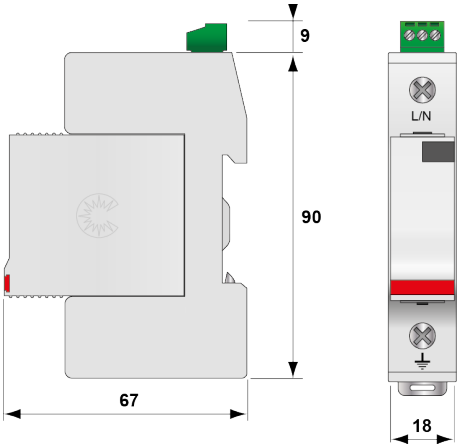


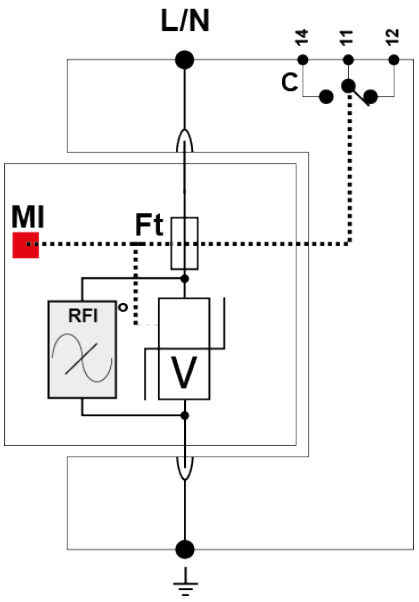
DS41HFS-230

- Type 2 AC surge protector
- RFI filtering integrated
- In : 20 kA
- Imax : 40 kA
- Pluggable module
- Remote signaling option
- EN 61643-11, IEC 61643-11, UL1449 ed.4 compliance

Electrical Characteristics		
SPD type *following IEC test*		2
Network		230/400 V
Nominal line voltage	*Un*	230 Vac
Max. AC operating voltage L-N	*Uc*	255 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. *without disconnection*	*UT*	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn *without disconnection or with safety disconnection*	*UT*	440 Vac disconnection
Operating current *Continious current at Uc*	*Ic*	< 1 mA
Follow current	*If*	None
Nominal discharge current *15 x 8/20 µs impulses*	*In*	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	*Imax*	40 kA
Admissible short-circuit current	*Isccr*	25000 A
RFI Filtering		0.1-30 Mhz
Connection mode(s)		L/N or N/PE
Protection mode(s)		Common Mode or Differential Mode
Protection level *@ In (8/20µs)*	*Up*	1.25 kV
Max. shunt capacitance	*C*	0,22 µF
Internal short circuit protection		No
Internal Thermal protection		Yes

Mechanical Characteristics		
Technology		MOV+Filter
SPD configuration		1-pole
Connection to Network		by screw terminals: 2.5-25 mm²
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP20
Failsafe behavior		Disconnection
Disconnection indicator		1 mechanical indicator
Spare module(s)		DSM40HF-230
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram





V: MOV
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
RFI : RFI filtering

Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		Fuses type gG - 50 A

Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		UL / CSA / EAC
Part Number		461590