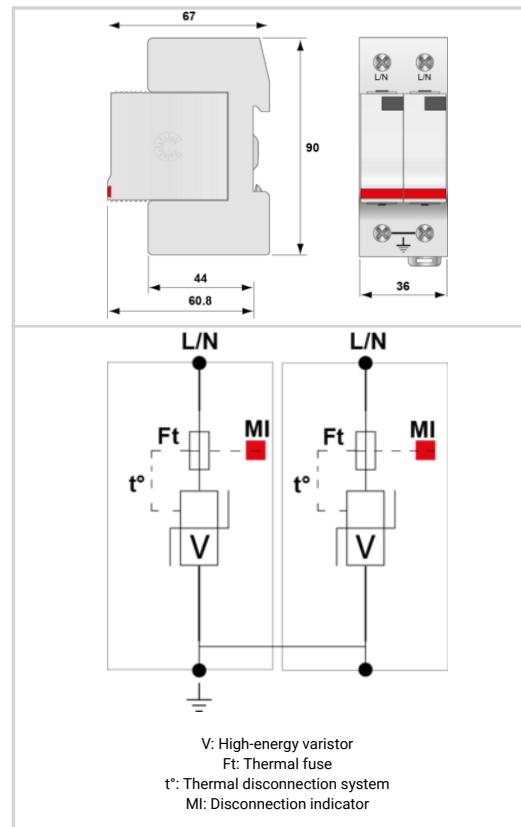


DS42-280



- Type 2 AC Multipolar surge protector
- In : 20 kA
- Imax total : 80 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5 certified



Electrical Characteristics

SPD type	2
Network	230 V single-phase
AC system	TN
Nominal line voltage	Un 230 Vac
Max. AC operating voltage	Uc 280 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 ms <i>Without disconnection or with safety disconnection</i>	UT 440 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	Ipe < 1 mA
Follow current	If None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In 20 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax 40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 µs</i>	Imax Total 80 kA
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode/Differential mode
Protection level N/PE <i>@ In (8/20µs)</i>	Up N/PE 0.9 kV
Protection level L/PE <i>@ In (8/20µs)</i>	Up L/PE 1.3 kV
Admissible short-circuit current	Isccr 25 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	Single phase
Connection to Network	By screw terminals: 2.5-25mm ² / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM40-280
Remote signaling of disconnection	option DS42S-280 : output on changeover contact
Dimensions	See diagram
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses type gG - 50 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL / CSA / TUV Süd
Part number	461101

