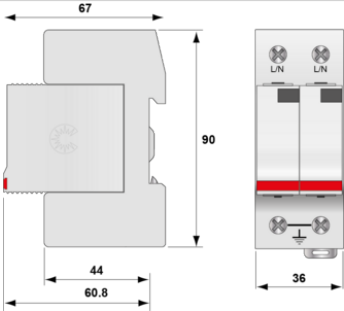
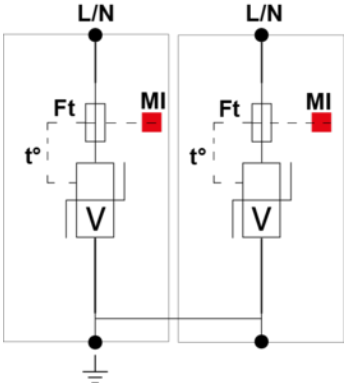


DS42-320



- Type 2 AC Multipolar surge protector
- In : 20 kA
- I_{max} 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 320 Vac
	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 335 Vac withstand
	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 440 Vac disconnection
	Residual Current Leakage current to Ground	I _{pe} < 1 mA
	Follow current	I _f None
	Nominal discharge current 15 x 8/20 μs impulses	I _n 20 kA
	Max. discharge current max. withstand @ 8/20 μs by pole	I _{max} 40 kA
	Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total 80 kA
	Connection mode(s)	L/PE and N/PE
	Protection mode(s)	Common mode/Differential mode
	Protection level N/PE @ I _n (8/20μs)	U _p N/PE 1.5 kV
	Protection level L/PE @ I _n (8/20μs)	U _p L/PE 1.5 kV
	Admissible short-circuit current	I _{sc} 25 000 A
 <p>V: High-energy varistor Ft: Thermal fuse t°: Thermal disconnection system MI: Disconnection indicator</p>	Mechanical Characteristics	
		Technology
	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	T _u -40/+85°C
	Protection rating	IP20
	Failsafe mode	Disconnection from AC network
	Disconnection indicator	1 mechanical indicator by pole
	Spare module(s)	DSM40-320
	Remote signaling of disconnection	option DS42S-320 : output on changeover contact
	Dimensions	See diagram
	Weight	0.199 kg
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
Part number		
		461901