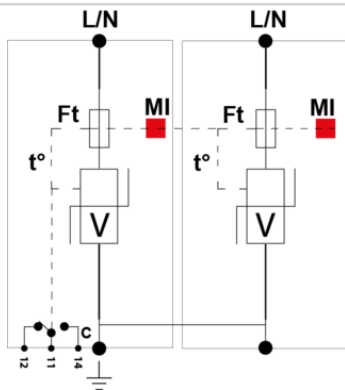
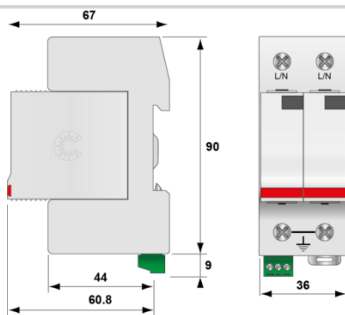


DS42S-230



- › Type 2 AC Multipolar surge protector
- › I_n : 20 kA
- › I_{max} total : 80 kA
- › Pluggable module for each phase
- › Remote signaling
- › NF EN 61643-11, IEC 61643-11 compliance
- › UL1449 ed.4



V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type (following IEC tests)	2
Network	230 V single-phase
AC system	TN
Nominal line voltage	U_n 230 Vac
Max. AC operating voltage	U_c 255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. (Without disconnection)	U_T 335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn (Without disconnection or with safety disconnection)	U_T 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 μ s impulses)	I_n 20 kA
Max. discharge current (max. withstand @ 8/20 μ s by pole)	I_{max} 40 kA
Total Maximum discharge current (max. total withstand @ 8/20 μ s)	I_{max} Total 80 kA
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode
Residual voltage at 5 kA (@ 5 kA (8/20 μ s))	U_{p-5kA} 0.9 kV
Protection level L/PE (@ I_n (8/20 μ s))	$U_{p L/PE}$ 1.25 kV
Admissible short-circuit current	I_{scrr} 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	T_u -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM40-230
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram

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 ed.4
Certification	UL / EAC / TUV

Part number

461521