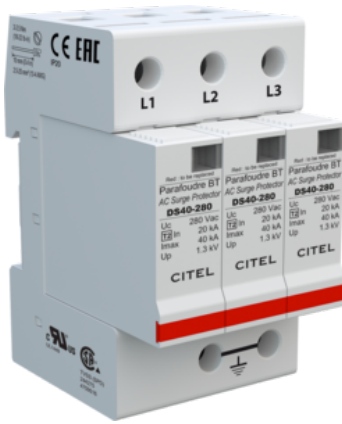




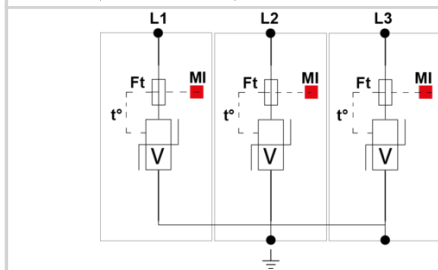
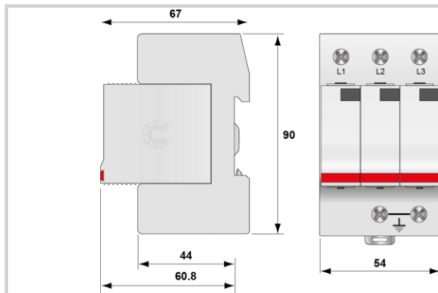
Type 2 AC surge protector - 3-phase

CITEL

DS43-280



- Type 2 AC Multipolar surge protector
- In : 20 kA
- I_{max} total : 120 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5



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

Electrical Characteristics

SPD type	2	
Network	230/400 V 3-phase	
AC system	TNC	
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	280 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	120 kA
Connection mode(s)	L/PE	
Protection mode(s)	Common mode	
Protection level L/PE @ I _n (8/20μs)	U _p L/PE	1.3 kV
Admissible short-circuit current	I _{sc}	25 000 A

Mechanical Characteristics

Technology	MOV	
SPD configuration	3-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 DS43S-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 SUD	

Part number

461103

