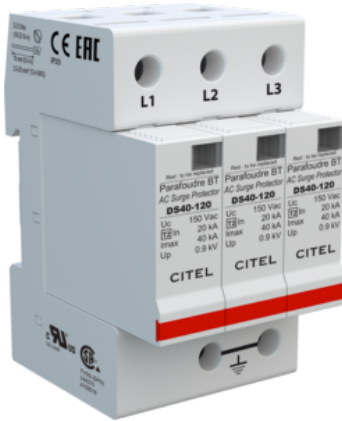




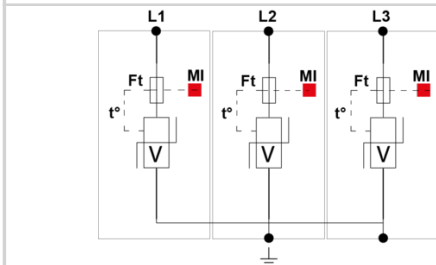
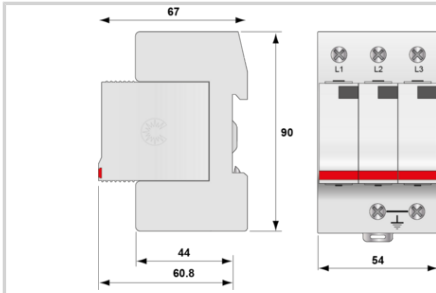
## Type 2 AC surge protector - 3-phase

# CITEL

## DS43-120



- Discover our latest innovation : the [DAC50-30-150](#)
- Type 2 AC Multipolar surge protector
- In : 20 kA
- Imax 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	120/208 V 3-phase	
AC system	TNC	
Nominal line voltage	Un	120 Vac
Max. AC operating voltage	Uc	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	230 Vac disconnection
Residual Current Leakage current to Ground	Ipe	< 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
Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total	120 kA
Connection mode(s)	L/PE	
Protection mode(s)	Common mode	
Residual voltage at 5 kA @ 5 kA (8/20μs)	Up-5kA	0.6 kV
Protection level L/PE @ In (8/20μs)	Up L/PE	1.2 kV
Admissible short-circuit current	Iscrr	25 000 A

### Mechanical Characteristics

Technology	MOV	
SPD configuration	3-phase	
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> / 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)	DSM40-120	
Remote signaling of disconnection	option DS43S-120 : 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	CSA / UL	

### Part number

461603

