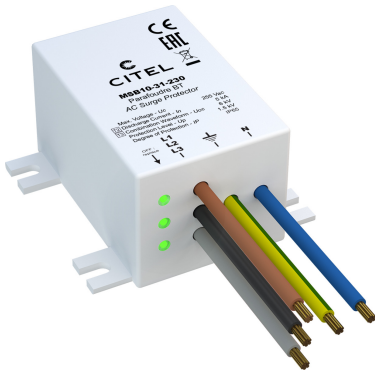




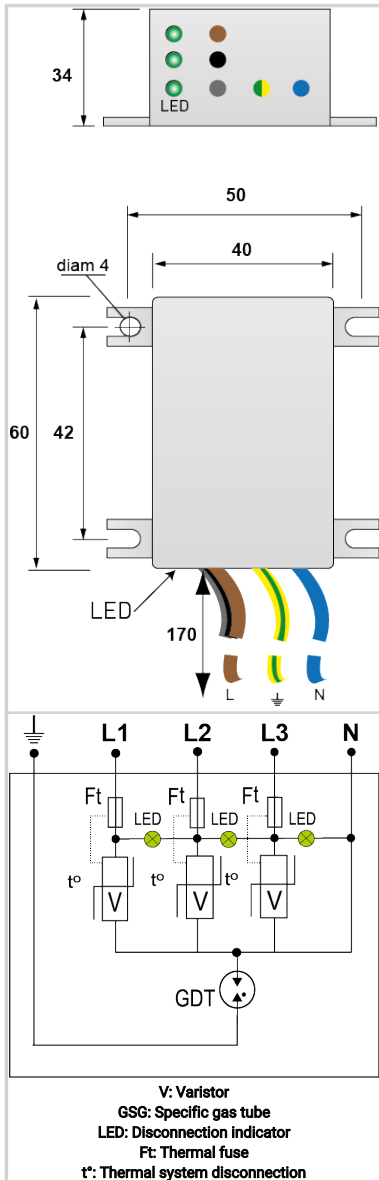
CITEL

Compact Type 2+3 hard wired surge protector

MSB10-31-230



- › Compact type 2 (or 3) surge protector
- › Wall mounting and hard wired connection
- › Status indicators
- › IP65



Electrical Characteristics

SPD type	IEC	2+3
Network		480 V 3-phase
AC system		TT-TN
Nominal line voltage	Un	230/400 Vac
Max. AC operating voltage	Uc	255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	440 Vac disconnection
Follow current	If	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In	5 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	10 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	Uoc	6 kV
Withstand on overvoltages IEEE C62.41.1		10 kV / 10 kA
Protection mode(s)		Common/Differential mode
Protection level L/N <i>@ In (8/20μs)</i>	Up L/N	1.5 kV
Protection level L/PE <i>@ In (8/20μs)</i>	Up L/PE	1.5 kV
Admissible short-circuit current	Iscrc	10 000 A

Mechanical Characteristics

Technology		MOV+GDT
Connection to Network		Connecting wire, 2 mm ²
Mounting		Wall or plate
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP65
Failsafe mode		Disconnection from AC network
Disconnection indicator		3-Green LED OFF
Operating indicator		3-Green Led ON
Dimensions		See diagram

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed

Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		

Part number

561223

