

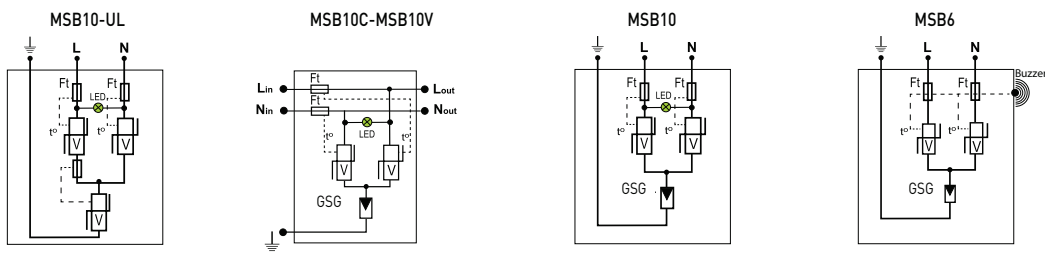
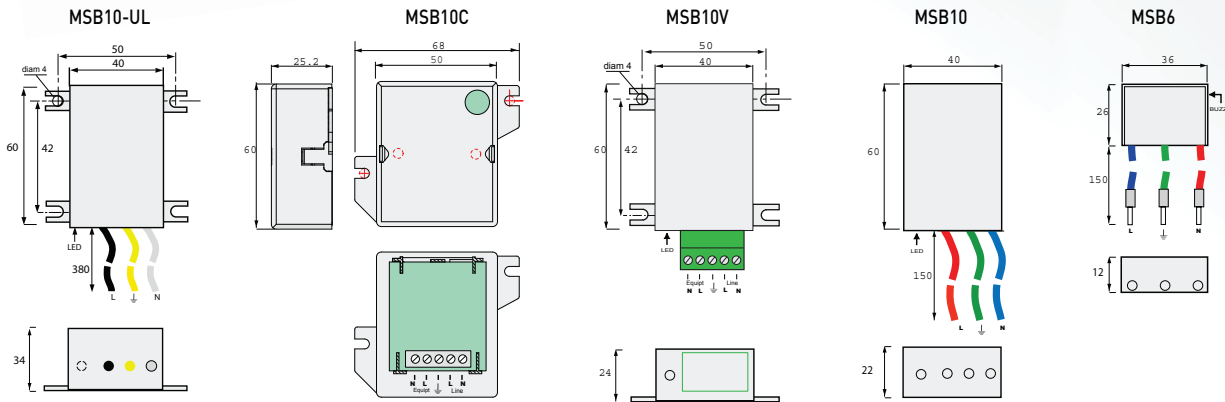
Hard-Wired AC Surge Protectors

MSB Series



- **MOV plus GSG Design**
- **Compact Form Factor**
- **LED Fault Indicator**
- **Parallel or Series Installation Options**
- **IP20, 65 and 66 Protection Classes**
- **UL1449 4th Edition**

Dimensions and Electrical Diagrams (in mm)



V : Varistor
 Ft : Thermal fuse
 LED : Disconnection indicator
 T° : Thermal system disconnection
 GSG : Gas-Filled Spark Gap

CITEL Part Number	MSB10-UL		MSB10		MSB10V		MSB10C	MSB6		
	MSB10-400 (UL)	MSB10-480 (UL)	MSB10-400	MSB10-120	MSB10V-400	MSB10V-120	MSB10C-400	MSB6-400	MSB6-24	
Network	Un	230-277 Vac	347-480 Vac	230 Vac	110-130 Vac	230 Vac	110-130 Vac	230 Vac	230 Vac	24 Vac
Maximum operating voltage	Uc	300 Vac	550 Vac	255 Vac	150 Vac	255 Vac	150 Vac	255 Vac	255 Vac	30 Vac
Maximum line current	I_L	-	-	-	-	16 A	16 A	16 A	-	-
Protection level	Up	1.2 kV	1.8 kV	1.5 kV	1 kV	1.5 kV	1.5 kV	1.5 kV	1.5 kV	0.22 kV
Maximum discharge current 8/20 μ s withstand	I_{max}	18 kA	18 kA	10 kA	10 kA	10 kA	10 kA	10 kA	6 kA	2 kA
Nominal discharge current 15 x 8/20 μ s impulse	I_n	3 kA	3 kA	3 kA	3 kA	3 kA	3 kA	3 kA	3 kA	0.8 kA
Combination waveform test Class III test	Uoc	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV	6 kV
Mechanical characteristics										
Fail-safe end of life		Disconnection	Disconnection	Disconnection	Disconnection	Disconnection AC line cut-off	Disconnection AC line cut-off	Disconnection AC line cut-off	Disconnection	Disconnection
Disconnection signaling		Green light off	Green light off	Green light off	Green light off	Green light off	Green light off	Green light off	Alarm	Alarm
Wiring		Leads	Leads	Leads	Leads	Screw terminal	Screw terminal	Screw terminal	Leads	Leads
Mounting		Wall or plate	Wall or plate	Wall or plate	Wall or plate	Wall or plate	Wall or plate	Wall or plate	Wall or Plate	Wall or Plate
Protection class		IP66	IP66	IP65	IP65	IP20	IP20	IP20	IP65	IP65
Standard compliance										
N EN 61643-11		Compliant	Compliant	Compliant	Compliant	Compliant	Compliant	Compliant	Compliant	Compliant
UL 1449 4th Edition: USA		Recognized	Recognized	Compliant	Compliant	Compliant	Compliant	Compliant	Compliant	Compliant
Part number		560501	-	521201	561601	561101	561602	561301	561302	-

