



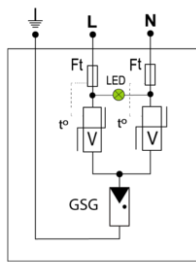
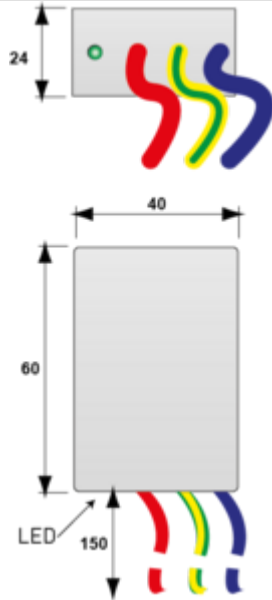
# Compact Type 2+3 hard wired surge protector

# CITEL

## MSB10-24



- ↳ Compact type 2+3 or type 3 SPD
- ↳ Ready-to-connect cables
- ↳ Status signaling
- ↳ For 24 Vdc or 24 Vac
- ↳ Protection class IP20
- ↳ Complies with IEC 61643-11 and EN 61643-11 standards



V: Varistor  
 GSG: Specific gas tube  
 LED: Disconnection indicator  
 Ft: Thermal fuse  
 t\*: Thermal system disconnection

Electrical Characteristics		
SPD type		2+3
Network		24V supply
Nominal line voltage	Un	24 Vac
Max. AC operating voltage	Uc	30 Vac
Max. DC operating voltage	Uc	38 Vdc
Follow current	If	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In	1 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	2 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	Uoc	3 kV
Protection mode(s)		Common/Differential mode
Protection level <i>@ In (8/20μs) and (1,2/50μs)</i>	UP L/N	200 V
Protection level <i>@ In (8/20μs) and (1,2/50μs)</i>	UP L/PE	200 V
Mechanical Characteristics		
Technology		MOV+GDT
Connection to Network		Wires
Mounting		Wall or plate
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		Green LED OFF
Voltage/operating indicator		Green Led ON
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11
Certification		
Part number		
561321		

