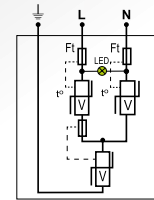
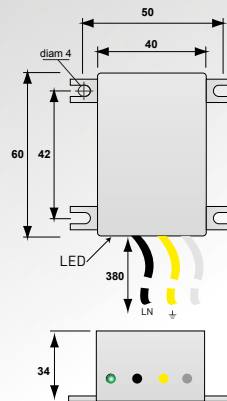


Hard-wired AC Surge Protectors MSB10-UL series



V : Varistor
Ft : Thermal fuse
t° : Thermal system disconnection
LED : Disconnection indicator

- Compact Type 2 and 3 surge protectors
- Wall mounting and hard wired connection
- UL1449 3ed. and IP66 (MSB10-400)
- Status indicators
- EN 61643-11, IEC 61643-11 and UL1449 4ed. compliance

Characteristics

CITEL Model		MSB10-400(UL)	MSB10-480(UL)
Description		Compact Type 2 hard wired surge protector	
Network		230 V single phase	347-480 Vac single phase
AC system		TT-TN	TT/TN
Protection mode(s)		CM/DM	CM/DM
Max. AC operating voltage	Uc	300 Vac	550 Vac
Max. Load current (if connection serie)	IL	-	-
Residual current - Leakage current at Uc	Ic	< 1 mA	< 1 mA
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	335 Vac withstand	700 Vac w
Temporary Over Voltage (TOV) Characteristics - 120 mn	UT	440 Vac disconnection	915 Vac disconnection
Nominal discharge current	In	3 kA	3 kA
Max. discharge current -max. withstand @ 8/20 µs by pole	Imax	10 kA	10 kA
Withstand on Combination waveform - Class III test	Uoc	6 kV	6 kV
Withstand on overvoltages IEEE C62.41.1		10 kV/10 kA	10 kV/10 kA
Protection level CM/DM - @In (8/20µs) and @ 6kV (1.2/50µs)	Up	1.2 kV/1.2 kV	2 kV/2 kV
Admissible short-circuit current	Iscsr	10 000 A	10 000 A
Associated disconnectors			
Thermal disconnector		internal	
Installation ground fault breaker		Type «S» or delayed	
Mechanical characteristics			
Dimensions		see diagram	
Connection to Network		wires	
Voltage/operating indicator		Green led ON	
Failsafe behavior		Disconnection	
Disconnection indicator		Green led OFF	
Mounting		Wall or plate	
Operating temperature		-40/+85°C	
Protection rating		IP66	
Housing material		Thermoplastic UL94-V0	
Standards compliance		IEC 61643-11 / EN 61643-11 / NF EN 61643-11 / UL1449 ed.4	
Certification		UL / GOST	UL / GOST
Part number		560501	561801

