



## MSB10-400(UL)

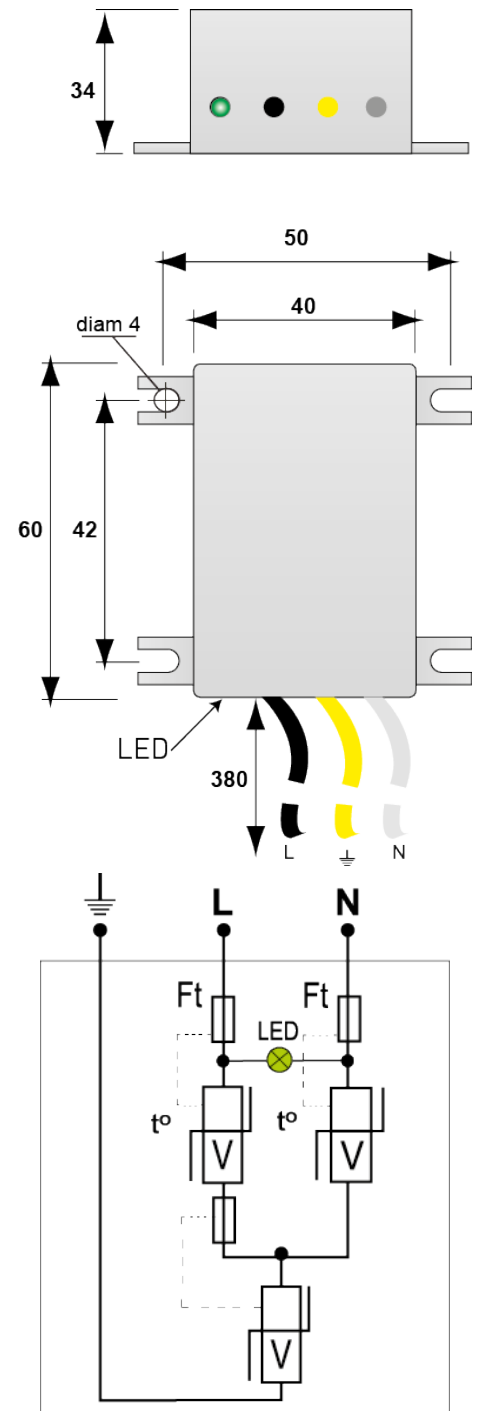
- Compact type 2 (or 3) surge protector
- Wall mounting and hard wired connection
- Status indicators
- IP66
- UL1449 ed.4



Electrical Characteristics		
SPD type		2+3
Network		230 V single-phase
AC system		TT-TN
Nominal line voltage	$U_n$	230 V
Max. AC operating voltage L-N	$U_c$	300 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	$U_T$	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	$U_T$	440 Vac disconnection
Operating current <i>Continuous current at <math>U_c</math></i>	$I_c$	< 1 mA
Follow current	$I_f$	None
Nominal discharge current <i>15 x 8/20 <math>\mu</math>s impulses</i>	$I_n$	3 kA
Max. discharge current <i>max. withstand @ 8/20 <math>\mu</math>s by pole</i>	$I_{max}$	10 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50<math>\mu</math>s - 8/20<math>\mu</math>s</i>	$U_{oc}$	6 kV
Withstand on overvoltages IEEE C62.41.1		10 kV / 10 kA
Protection mode(s)		Common/Differential mode
Protection level <i>@ <math>I_n</math> (8/20<math>\mu</math>s)</i>	$U_p$	1.2 kV
Protection level L/N <i>@ <math>I_n</math> (8/20<math>\mu</math>s)</i>	$U_p$ L/N	1.2 kV
Protection level L/PE <i>@ <math>I_n</math> (8/20<math>\mu</math>s)</i>	$U_p$ L/PE	1.2 kV
Protection level CM/DM <i>@ <math>I_n</math> (8/20<math>\mu</math>s)</i>	$U_p$ mc/md	1.2 kV/1.2 kV
Admissible short-circuit current	$I_{sc}$	10 000 A

Mechanical Characteristics		
Technology		MOV
Connection to Network		wires
Mounting		Wall or plate
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP66
Failsafe mode		Disconnection
Disconnection indicator		Green led OFF
Voltage/operating indicator		Green Led ON
Dimensions		See diagram

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





<b>Standards</b>		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		UL / EAC / TUV
<b>Part Number</b>		561501

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