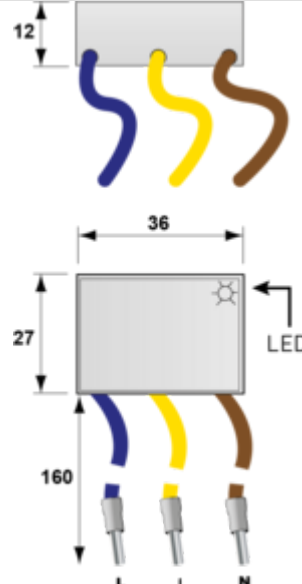
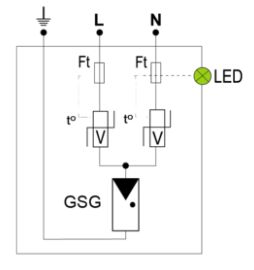


MSB6-400/LD



- ▶ Ultra compact Type 3 surge protector
- ▶ LED indicator
- ▶ IP20
- ▶ EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



	<table border="1"> <thead> <tr> <th colspan="3">Electrical Characteristics</th> </tr> </thead> <tbody> <tr> <td>SPD type</td> <td></td> <td>3</td> </tr> <tr> <td>Network</td> <td></td> <td>230 V single-phase</td> </tr> <tr> <td>AC system</td> <td></td> <td>TT-TN</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>230 V</td> </tr> <tr> <td>Max. AC operating voltage</td> <td>Uc</td> <td>255 Vac</td> </tr> <tr> <td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td> <td>UT</td> <td>335 Vac withstand</td> </tr> <tr> <td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td> <td>UT</td> <td>440 Vac disconnection</td> </tr> <tr> <td>Follow current</td> <td>If</td> <td>None</td> </tr> <tr> <td>Nominal discharge current 15 x 8/20 μs impulses</td> <td>In</td> <td>3 kA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 μs by pole</td> <td>Imax</td> <td>6 kA</td> </tr> <tr> <td>Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs</td> <td>Uoc</td> <td>6 kV</td> </tr> <tr> <td>Withstand on overvoltages IEEE C62.41.1</td> <td></td> <td>6 kV/6 kA</td> </tr> <tr> <td>Protection mode(s)</td> <td></td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level L/N @ In (8/20μs)</td> <td>Up L/N</td> <td>1.5 kV</td> </tr> <tr> <td>Protection level L/PE @ In (8/20μs)</td> <td>Up L/PE</td> <td>1.5 kV</td> </tr> <tr> <td>Admissible short-circuit current</td> <td>Iscsr</td> <td>3 000 A</td> </tr> </tbody> </table>	Electrical Characteristics			SPD type		3	Network		230 V single-phase	AC system		TT-TN	Nominal line voltage	Un	230 V	Max. AC operating voltage	Uc	255 Vac	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection	Follow current	If	None	Nominal discharge current 15 x 8/20 μs impulses	In	3 kA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	6 kA	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	6 kV	Withstand on overvoltages IEEE C62.41.1		6 kV/6 kA	Protection mode(s)		Common/Differential mode	Protection level L/N @ In (8/20μs)	Up L/N	1.5 kV	Protection level L/PE @ In (8/20μs)	Up L/PE	1.5 kV	Admissible short-circuit current	Iscsr	3 000 A									
Electrical Characteristics																																																													
SPD type		3																																																											
Network		230 V single-phase																																																											
AC system		TT-TN																																																											
Nominal line voltage	Un	230 V																																																											
Max. AC operating voltage	Uc	255 Vac																																																											
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand																																																											
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection																																																											
Follow current	If	None																																																											
Nominal discharge current 15 x 8/20 μs impulses	In	3 kA																																																											
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	6 kA																																																											
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	6 kV																																																											
Withstand on overvoltages IEEE C62.41.1		6 kV/6 kA																																																											
Protection mode(s)		Common/Differential mode																																																											
Protection level L/N @ In (8/20μs)	Up L/N	1.5 kV																																																											
Protection level L/PE @ In (8/20μs)	Up L/PE	1.5 kV																																																											
Admissible short-circuit current	Iscsr	3 000 A																																																											
 <p>V: Varistor GSG: Specific gas tube LED: Disconnection indicator Ft: Thermal fuse t*: Thermal system disconnection</p>	<table border="1"> <thead> <tr> <th colspan="3">Mechanical Characteristics</th> </tr> </thead> <tbody> <tr> <td>Technology</td> <td></td> <td>MOV+GDT</td> </tr> <tr> <td>Connection to Network</td> <td></td> <td>Wires</td> </tr> <tr> <td>Mounting</td> <td></td> <td>AC outlet or screw terminal</td> </tr> <tr> <td>Housing material</td> <td></td> <td>Thermoplastic UL94 V-0</td> </tr> <tr> <td>Operating temperature</td> <td>Tu</td> <td>-40/+85°C</td> </tr> <tr> <td>Protection rating</td> <td></td> <td>IP20</td> </tr> <tr> <td>Failsafe mode</td> <td></td> <td>Disconnection from AC network</td> </tr> <tr> <td>Disconnection indicator</td> <td></td> <td>Green LED OFF</td> </tr> <tr> <td>Voltage/operating indicator</td> <td></td> <td>Green Led ON</td> </tr> <tr> <td>Dimensions</td> <td></td> <td>See diagram</td> </tr> <tr> <td>Weight</td> <td></td> <td>0.02 kg</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Disconnectors</th> </tr> </thead> <tbody> <tr> <td>Thermal disconnector</td> <td></td> <td>Internal</td> </tr> <tr> <td>Installation ground fault breaker</td> <td></td> <td>Type 'S' or delayed</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Standards</th> </tr> </thead> <tbody> <tr> <td>Standards compliance</td> <td></td> <td>IEC 61643-11 / EN 61643-11 / UL1449 ed.5</td> </tr> <tr> <td>Certification</td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Part number</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>561312</td> </tr> </tbody> </table>	Mechanical Characteristics			Technology		MOV+GDT	Connection to Network		Wires	Mounting		AC outlet or screw terminal	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	Weight		0.02 kg	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					561312
Mechanical Characteristics																																																													
Technology		MOV+GDT																																																											
Connection to Network		Wires																																																											
Mounting		AC outlet or screw terminal																																																											
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																																																											
Weight		0.02 kg																																																											
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																																																													
		561312																																																											