



CITEL

Ultra Compact Type 3 hard wired surge protector

MSB6-400



- Compact type 3 surge protector
- Wall mounting and hard wired connection
- Status indicators
- IP20
- EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



	Electrical Characteristics																																																	
<p>V: Varistor GSG: Specific gas tube Ft: Thermal fuse Buzzer: Audible disconnection indicator t*: Thermal system disconnection</p>	<table border="1"> <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> </table>		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
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	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	Buzzer ON																																																
	Voltage/operating indicator	without																																																
	Dimensions	See diagram																																																
	Weight	0.02 kg																																																
	Disconnectors																																																	
	Thermal disconnector	Internal																																																
	Installation ground fault breaker	Type 'S' or delayed																																																
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