



CITEL



Compact 1-phase Type 2 (or 3) surge protector - 230 V - Pluggable

DSM240-230/G

- ▶ Discover our latest innovation : the [DAC40C-20-275](#)
- ▶ Compact single-phase Type 2 surge protector
- ▶ In : 20 kA
- ▶ I_{max} : 40 kA
- ▶ Common mode
- ▶ Pluggable module
- ▶ Remote signaling option
- ▶ EN 61643-11, IEC 61643-11 compliance
- ▶ UL1449 ed.5



Electrical Characteristics		
SPD type	IEC	2
Network		230 V single-phase
AC system		TN
Nominal line voltage	U _n	230 Vac
Max. AC operating voltage	U _c	255 Vac
Max. load current <i>if series connection</i>	I _L	20 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	440 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	I _{pe}	< 0.5 mA
Follow current	I _f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I _{max} Total	80 kA
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA <i>@ 5 kA (8/20 μs)</i>	Up-5kA	0.9 kV
Protection level CM/DM <i>@ I_n (8/20 μs)</i>	Up mc /md	1.25 kV
Admissible short-circuit current	I _{scrr}	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 1.5-10mm ² (L/N) or 2.5-25mm ² (PE)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM240-230
Remote signaling of disconnection		Option DS240S-230 : output on changeover contact
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		CSA / UL
Part number		
311720		

