

DSM240-230/G



- ✦ Discover our latest innovation : the [DAC40C-20-275](#)
- ✦ Compact single-phase Type 2 surge protector
- ✦ In : 20 kA
- ✦ Imax : 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	Un	230 Vac	
Max. AC operating voltage	Uc	255 Vac	
Max. load current if series connection	IL	20 A	
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	
Residual Current Leakage current to Ground	Ipe	< 0.5 mA	
Follow current	If	None	
Nominal discharge current 15 x 8/20 µs impulses	In	20 kA	
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	40 kA	
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	80 kA	
Connection mode(s)		L/PE and N/PE	
Protection mode(s)		Common mode	
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.9 kV	
Protection level CM/DM @ In (8/20µs)	Up mc/md	1.25 kV	
Admissible short-circuit current	Iscsr	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	Tu	-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			