

Gas-filled sum spark gap - N/PE - Type 2 SPD DS80G-600



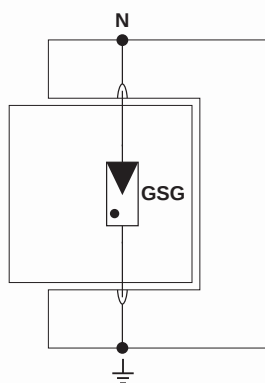
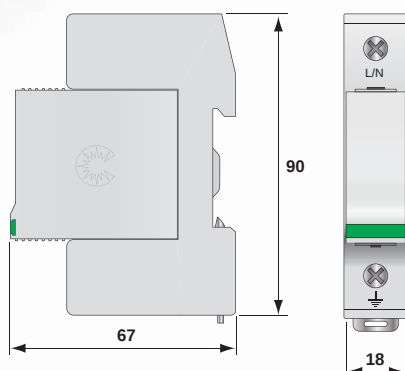
- N-PE Gas-filled sum spark gap for type 2
- Conductance DS80G-600: $I_n = 80 \text{ kA}$; $I_{max} = 100 \text{ kA}$
- Pluggable protection module
- Complies with IEC 61643-11 and EN 61643-11 standards

DS80 G -600

«G» connection Type II (TT grid)

«80» $I_n = 80 \text{ kA}$

Dimensions and Diagram



GSG : Gas-filled spark gap

Characteristics

CITEL Article Description		DS80G-600
AC grid form		N-PE line TT-network
Nominal voltage	U_n	230 V
Highest continuous voltage AC	$U_c \text{ AC}$	255 Vac
nominal frequency	f_n	50 - 60 Hz
TOV voltage (N-PE) 200ms Characteristic	U_T	1200 V / 300 A / 200 ms steady
Protective conductor current	I_{pe}	none
Leakage current (CM) at U_c		
Follow current extinguishing capability	I_{fi}	100 A eff
Response time	t_A	< 20 ns
Rated leakage current / pole 15 x 8/20 μs pulses	I_n	80 kA
Max. Surge current / pole	I_{max}	100 kA
Max. discharge capability @ 8/20 μs		
Protection level CM/DM* (@ I_n [8/20 μs] and [1.2/50 μs])	$U_p \text{ CM/}$ $U_p \text{ DM}$	1,5 kV / -
Protection level at I_n	$U_p - I_n$	1,5 kV
short-circuit resistance	ISCCR	25000 A
Other properties		
Installation dimensions		1 TE, DIN 43880
Connection type		2,5-25 mm ² [35 mm ²]
Status indication		none
Failure behaviour		Disconnection from mains
Remote signalling (FS)		none
Mounting		35 mm DIN rail
Temperature range		-40 °C/+85 °C
Protection class		IP 20
Housing material		Thermoplastic UL-94-5VA
Standards and approvals		
Standard conforming to		DIN EN61643-11, IEC 61643-11, UL 1449 ed.3
Article number		
		381803
Accessories		
Replacement module - DSM80G-600		3818003

* for single-pole devices only CM is applicable

