

T1
T2
T3

Single Pole SPD

■ NPE Module

G.../255NPE



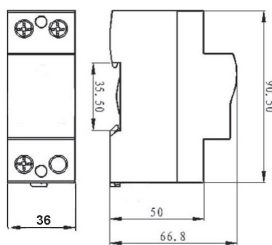
- T1+2 SPD with Encapsulated Spark Gap (ESG) technology to guarantee reliability in rugged environment and high exposure location
- High lightning current discharge capacity up to I_{imp} 100kA 10/350
- Low voltage protection level
- Comply with IEC/EN 61643-11, UL 1449 4th, IEEE C62.41, CSA C22.2



Model		G100/255NPE	G50/255NPE	G25/255NPE
Compliance		EN/IEC 61643-11		
Category IEC/EN		Class I+II /T1+2		
Max. Continuous Operating Voltage (AC)	U_c	255V		
Technology		ESG technology		
Ports/Protection Mode		1 / N-PE		
Lightning Impulse Current (10/350 μ s)	I_{imp}	100kA	50kA	25kA
Nominal Discharge Current (8/20 μ s)	I_n	100kA	50kA	25kA
Max. Discharge Current (8/20 μ s)	I_{max}	200kA	150kA	100kA
Voltage Protection Level (1.2/50 μ s)	U_p	$\leq 1.5kV$		
Temporary Overvoltage TOV —Withstand Mode	U_{tov}	1200V/200ms		
Residual Current	I_{PE}	No		
Follow Current Interrupt Rating	I_{fi}	200A@255Vac		
Response Time	t_A	$\leq 100ns$		
Environment		Temperature Range: - 40°C ~ +85°C; Humidity: $\leq 95\%$; Altitude: $\leq 2000m$		
Cross-Section of Connection Wire		Single-strand 35mm ² ; multi-strand 25mm ²		
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3		
Enclosure Material		thermoplastic; extinguishing degree UL94 V-0		
Degree of Protection		IP20		
Installation Width		2 modules, DIN 43880		
Approvals, certification		CE		

Note: Please see Page 13 for prewired multi-pole combination.

■ Dimension Drawing



■ Basic Circuit Diagram

