SPA105
Type 1 Class 1
Surge Arrester

The **SPA105** is a Type 1 lightning arresters according to EN 61643-11.

These arresters are recommended for use in the Lightning Protection Zones Concept at the boundaries of LPZ 0 – 1 (according to IEC 1312-1 and EN 62305) for lightning current equipotential bonding and elimination of switching surges that originate in power supply systems entering the building. The main use of these arresters is structures of LPL III to IV according to EN 62305.

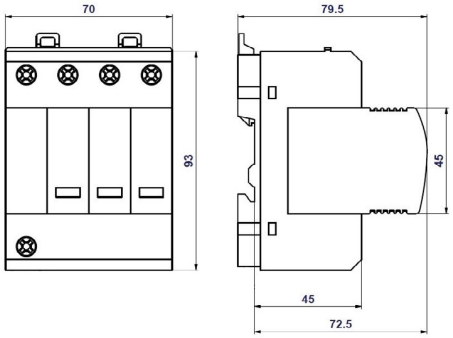
These arresters are mainly intended for use in TNS, TNC-S or TT systems. They are modular devices and replaceable modules are available.

SPA105

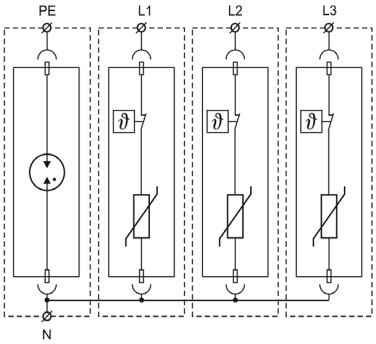
Specification

Max. continuous operating voltage	U_c	275 V
Lightning impulse current (10/350) L/N - charge - specific energy	I_{imp} Q W/R	12.5 kA 6.25 As 39 kJ/Ω
Lightning impulse current (10/350) N/PE - charge - specific energy	I_{imp} Q W/R	50 kA 25 As 625 kJ/Ω
Total lightning current (10/350) L1+L2+L3+N to PE	I_{total}	50 kA
Nominal discharge current (8/20)	I_n	20 kA
Max. discharge current (8/20)	I_{max}	40 kA
Temporary overvoltage (TOV) L/N	U_t	335 V/5 sec
Temporary overvoltage (TOV) N/PE	U_t	1200 V/0.2 sec
Response time L/N	t_A	< 25 ns
Response time N/PE	t_A	< 100 ns
Voltage protection level	U_p	< 1.2 kV
Max: back-up fuse (gL/gG; MCB - 'C' Curve)	160 A	
Short circuit withstand (at Max. fuse rating)	I_p	60 kA
Remote Signalling	Yes	
Type / Class	1/2 - I/II	
Mass	m	550g
Life	100000h Min.	
Part code	**SPA105**	

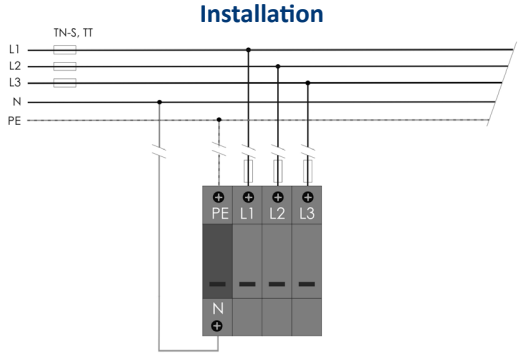
Dimensions in mm



Internal wiring



Installation



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Information subject to change without notice.

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