

# SPA210

## Type 1 Class 1

### Surge Arrester



The SPA210 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.

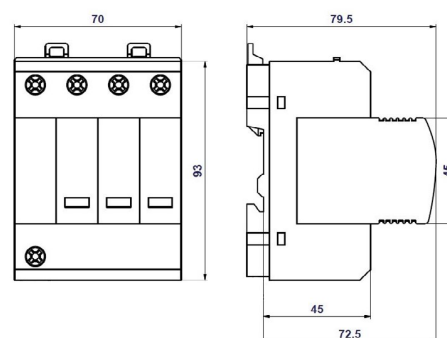


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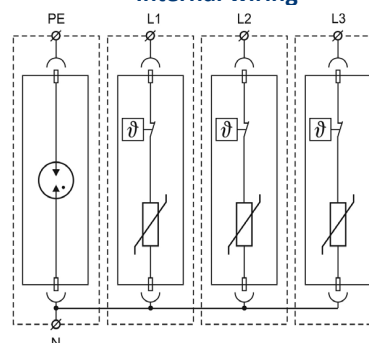
#### Specification

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/ $\Omega$
Lightning impulse current (10/350) N/PE - charge - specific energy	$I_{imp}$ $Q$ W/R	50 kA 25 As 625 kJ/ $\Omega$
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		SPA210

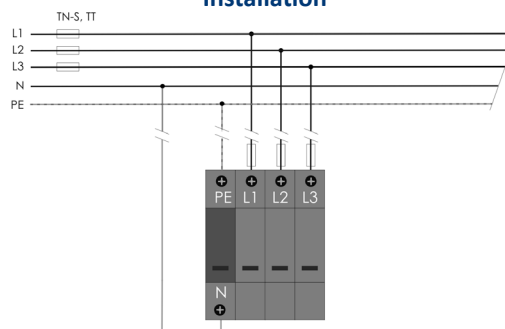
#### Dimensions in mm



#### Internal wiring



#### Installation



All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application.