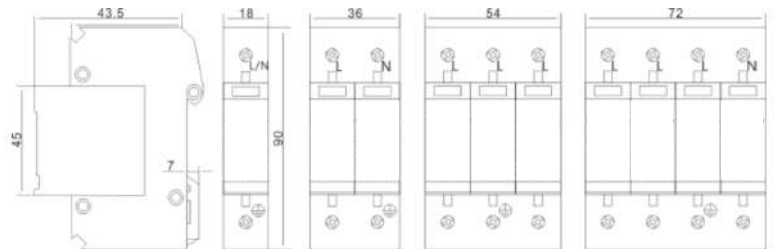# SPD-C1+2 Surge Protection Devices Datasheet - Single Phase
SPD-1PC1+2 (TN-C-S), SPD-1PNEC1+2 (TT) & SPD-2PC1+2 (TNS)

Class I+II surge protection devices (Type 1+2 surge protectors) are designed by combining Class I (10/350µs) and Class II (8/20µs) lightning and switching surge to be used in the equipotential connection of LPZ 0 and LPZ 2 zone.

Class I+II surge protectors work as a complete protection device and are perfect for any kind of building be it residential, commercial or industrial. In addition, you can install transient voltage surge arresters in buildings that are powered directly via overhead power lines.

The combination lightning current and surge (SPD-C1+2 Range) meet the type 1+2 requirement class according to IEC 61643-11. These devices protect low-voltage consumer systems from overvoltages of all types and are available in single-pole to four-pole versions. The use of high-performance varistors permits a rapid response time and a low voltage protection level, without any line follow current. If there is a risk of fire from an overload, the internal cut-off unit disconnects the device from the mains if necessary.

- High arresting capacity up to 125kA (10/350µs)
- Visual status display
- Available with optional remote signalling
- Vibration-proof
- Combination arresters for buildings with lightning protection
- Simple standard DIN rail mounting
- Labelled connections
- Usable in systems with lightning protection class 3+4

Model:	SPD-C1+2		
Maximum continuous voltage AC	Uc	V	275
SPD to EN 61643-11			Type 1+2
SPD to IEC 61643-1			class I+II
Lightning impulse current (10/350µs)	Iimp	kA	12,5
Nominal discharge current (8/20µs)	In	kA	30
Maximum discharge current (8/20µs)	Imax	kA	60
Voltage protection level	Up	kV	< 1,5
Response time	tA	ns	< 25
Maximum back-up fuse		A	125
Temperature range	ϑ	°C	-40°C~+85°C
Protection rating			IP 20
Max. cable cross-section flexible (fine-wire)		mm²	25
Max. cable cross-section rigid (single wire/multi-wire)		mm²	35