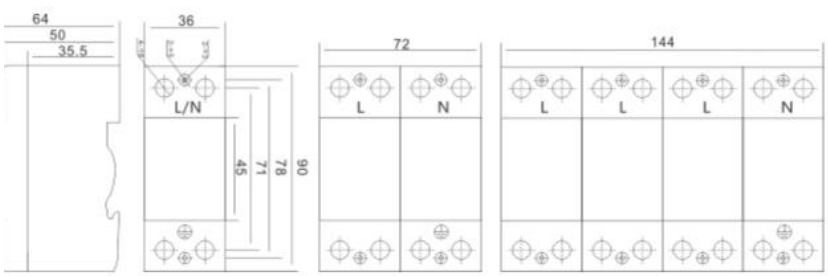
SPD-C1 Surge Protection Devices Datasheet
SPD-1PNEC1-25 & SPD-3PNEC1-25

The highest protection against transient overvoltages for power supply lines at the point they enter the building. The SPD-C1 range provides protection even against direct lightning strikes. Tested and certified with lightning impulse current 25kA, 10/350µs wave.

The SPD-C1 Range meets the type 1 requirement class according to IEC 61643-11. These devices protect low-voltage systems from overvoltages of all types and are available in single-pole to four-pole versions. The voltage-limiting, high-performance spark gaps provide several benefits - a short response time and high current leakage capability with long service life.

- High arresting capacity up to 25 kA (10/350µs) per pole
- Combination devices for buildings with lightning protection systems
- Simple standard DIN rail mounting
- Labelled connections
- Usable in systems with lightning protection class 1-4

Model: SPD-C1 Range			
Maximum continuous operating voltage	Uc	V	255
SPD to EN 61643-11			Type 1
SPD to IEC 61643-1			class I
LPZ			0→2
Lightning impulse current (10/350µs)	Iimp	kA	25
Lightning impulse current (10/350µs) [total]		kA	100
Nominal discharge surge current (8/20µs)	In	kA	25
Arrester surge current (8/20µs) [total]		kA	100
Voltage protection level	Up	kV	2,0
Response time	tA	ns	<100
Follow current quenching capacity Ipeak	Ifi peak	kA	25
Maximum back-up fuse		A	315
Temperature range	ϑ	°C	-40°C~+85°C
Protection rating			IP 20
Connection cross-section, rigid		mm²	10-50
Connection cross-section, multi-wire		mm²	10-35
Connection cross-section, flexible		mm²	10-25