

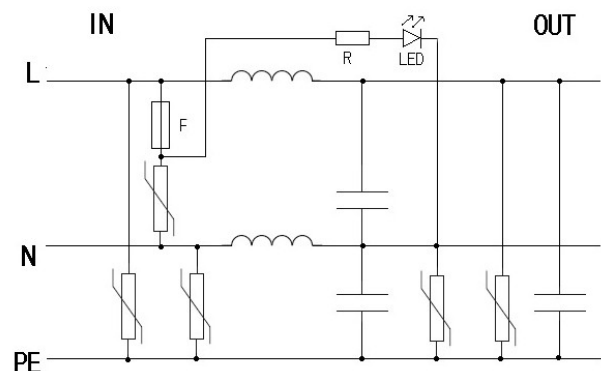
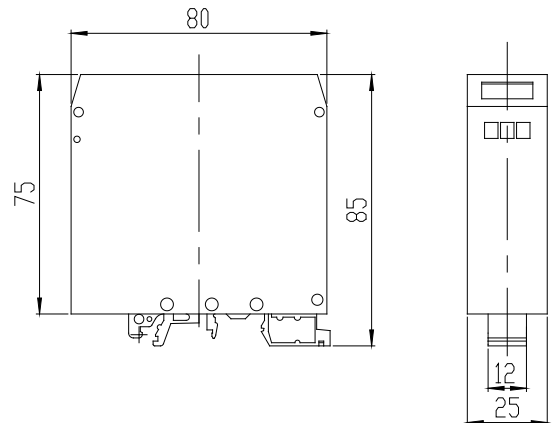
## Single Phase Surge Protection Devices

### TYPE: D1-20/180-S

Surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0B-2 and higher.

#### Terminal Block Modules series

- Class III (D) arrester in according with IEC61643-11:2011.
- Series type SPD
- Single phase protection.
- High energy MOV (Metal Oxide Varistor) inside.
- Interference suppressor filter inside
- Low voltage protection level
- Failure indication by LED.
- Fast response.



## Technical Data

Type		D1-20/180-S
In accordance with		IEC61643-11:2011;
Category IEC/VDE		III/ D
Nominal Voltage Un		110V (single phase)
Modes of protection		All mode protection
Max. continuous operating voltage		180VAC
Max. Surge Current Capability		20KA/Phase
Max. discharge current(8/20) Imax	L-N	10KA
	L-PE	10KA
	N-PE	10KA
Voltage protection level(clamping voltage)@ In		800V
Response time		≤25 ns
Follow current		No
Load current		5 A
EMI/RFI filter		-3dB@25KHz
Operating temperature range		- 40° C ... + 80° C
Cross-section of connection wire		multi-strand 1.3- 2.5mm <sup>2</sup>
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3
Enclosure material		thermoplastic; extinguishing degree UL94 V-0
Degree of protection		IP20
Dimension		80(L)×25(W)×85(H)mm
Failure indicator		LED Alarm, Green - Normal, IED off - fail