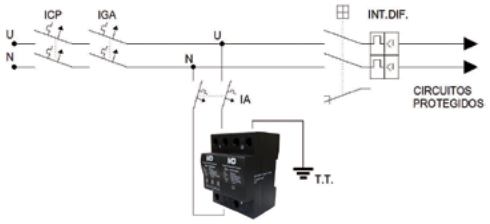
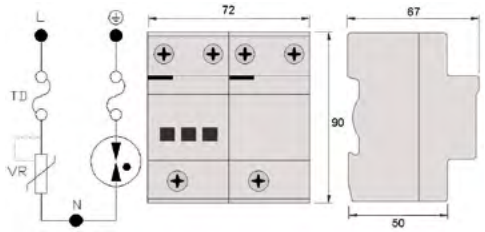
SURGE PROTECTION MODULES IN LOW-VOLTAGE POWER SUPPLY NETWORKS.

Type I+II surge protector devices are installed in the main electrical panel of the installation.
They are recommended to protect electric and electronic devices against surges of atmospheric and manoeuvres origin.

- Protection Class I+II in accordance with EN 61643-11.
- Protection Type 1+2 in accordance with IEC 61643-1.
- Easy supervision due to the disconnection device.
- Modular design.
- Fault indication by red flag window.
- Rapid response.
- Optional remote alarm terminal.



Circuit diagram



Scheme and dimensions of BD2-100

DEVICE MODEL	BD2-100/240
Connection mode	Parallel / Monopolar F+N+T
Rated voltage / Frequency	240 V_{AC} / 50-60 Hz
Earthing System	TT, IT y TN-S
Thermal disconnection[L–N]	Internal; green-normal, red-failed
Remote alarm contact [L–N]	Optional; Cod BD2-100 / 240-S
Surge response	
Protection type (EN 61643-11 / IEC 61643-1)	Class I+II / Type 1+2
Maximum continuous operating voltage (Uc) AC [L–N/N–T]	250 V_{AC} / 255 V_{AC}
Nominal discharge current (8/20) I_n [L–N/N–T]	50 kA / 50 kA
Maximum discharge current (8/20)I_{max} [L–N/N–T]	100 kA / 100 kA
Lighting impulse current (10/350) I_{imp} [L–N/N–T]	12,5 kA / 25 kA
Protection level U_p [L–N/N–T]	1,3 kV / 1,5 kV
DC sparkover voltage DC [N–T]	600 V
Response time R_t [L–N / N–T]	25 ns / 100 ns
Installation data	
Recommended minimum section of connecting cables	Cu 25 mm²
Recommended protection	D Curve MCB or fuse (I_n≤80A)
Enclosure material	Thermoplastic
Installation method	35 mm DIN-rail
Operating temperature	-40 ºC ... +80 ºC
IP protection degree	IP20
Location category	Indoor
Weight (Kg)	0,39
Dimensions (mm) (Height×Wide×Depth)	4 DIN modules (98×72×67)