

**SURGE PROTECTIVE MODULES IN LOW-VOLTAGE POWER SUPPLY NETWORKS.**

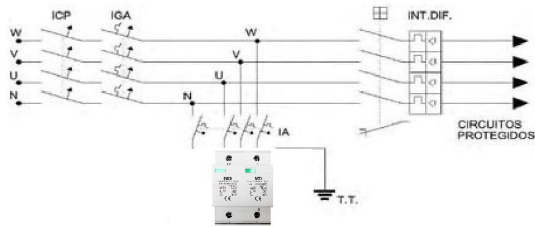
Type 1+2 surge protective devices are installed in the main electrical panel of the installation.

They are recommended to protect electric and electronic devices against surges of atmospheric and manœuvres origin by coordinating Type 1 and Type 1+2 features.

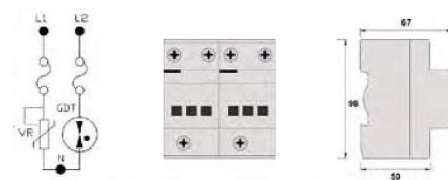
- Protection Class I+II in accordance with EN 61643-11.
- Protection Type 2 in accordance with IEC 61643-1.
- Easy supervision due to the disconnection device.
- Four-pole surge protective devices consisting of a base part and a plugin protective module.
- Fault indication by red flag window.
- Rapid response.
- Optional remote alarm terminal.



SPD



Circuit diagram



BD4-100 electrical diagram and dimensions

DEVICE MODEL	BD2-C100/240
Connection mode	Parallel / Three-phase 3L+N+E
Rated voltage / Frequency	240 V <sub>L-N</sub> / 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-C100 / 240-S
Surge response	
Protection type (EN 61643-11 / IEC 61643-1)	Class I+II / Type 1+2
Maximum continuous operating voltage (U <sub>c</sub> ) AC [L-N/N-TE]	275 V <sub>AC</sub> / 255 V <sub>AC</sub>
Nominal discharge current (8/20) I <sub>n</sub> [L-N/N-TE]	50 kA / 50 kA
Maximum discharge current (8/20) I <sub>max</sub> [L-N/N-TE]	100 kA / 100 kA
Lightning impulse current (10/350) I <sub>imp</sub> [L-N/N-TE]	12,5 kA / 25 kA
Protection level U <sub>p</sub> [L-N/N-T]	2 kV / 2 kV
DC sparkover voltage [N-PE]	600 V
Response time R <sub>t</sub> [L-N/N-PE]	25 ns / 100 ns
Installation data	
Recommended minimum section of connecting cables	Cu 25 mm <sup>2</sup>
Recommended protection	D Curve MCB or fuse (I <sub>n</sub> ≤ 80A)
Enclosure material	Thermoplastic
Installation method	35 mm DIN-rail
Operating temperature	-40 °C ... +80 °C
IP protection degree	IP20
Location category	Indoor
Weight (Kg)	0,42
Dimensions (mm) (Height×Wide×Depth)	4 DIN modules (98×144×67)