

SPD // BD SERIES

BD2M-50/240

Type 1+2 surge protective devices are installed in the head-end system of the installation.

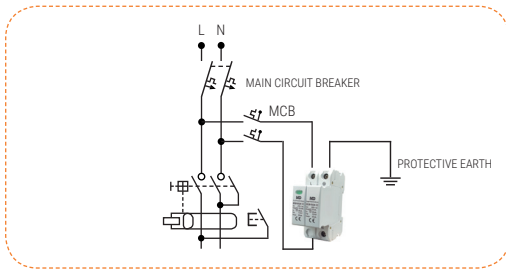
They are recommended to protect electric and electronic devices against surges of atmospheric and manoeuvres origin by coordinating Type 1 and Type 2 features.

- 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.
- Modular design
- Fault indication by red flag window.
- Rapid response.
- Optional remote alarm terminal.

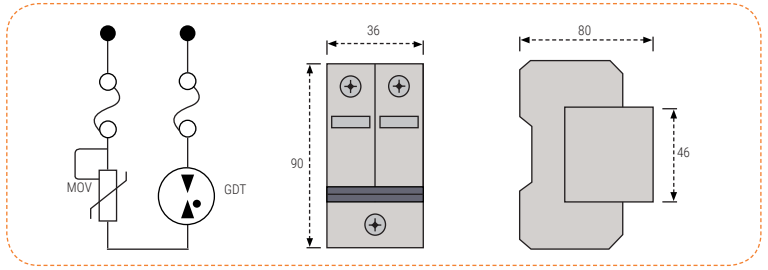


BD2M-50/240

Circuit diagram:



BD2M-50/240 electrical diagram and dimensions:



Device Model	BD2M-50/240
Connection mode	Parallel / L+N+PE
Rated voltage / Frequency	240 V / 50-60Hz
Earthing System	TT, IT y TN-S
Thermal disconnection	Internal, green-normal, red-failed
Remote alarm contact	Optional; Cod BD2M-50/240-S
Surge response	
Protection type (EN 61643-11 / IEC 61643-1)	Class I+II / Type 1+2
Maximum continuous operating voltage (U_c) AC [L- N / N -PE]	255 V _{AC} / 255 V _{AC}
Rated discharge current (8-20) I_n [L-N/N-PE]	20kA / 20 kA
Maximum discharge current (8/20) I_{max} [L-N/N-PE]	50 kA / 50 kA
Lightning impulse current (10/350) I_{imp} [L-N/N-PE]	12.5 kA / 50 kA
DC sparkover voltage DC [N-PE]	600 V
Protection level U_p [L-N]	1,5 kV
Protection level U_p [N-PE]	1,5 kV
Response time R_A [L-N / N-PE]	25 ns / 100ns
Installation data	
Recommended minimum section of connecting cable	Cu 25mm ²
Recommended protection	D Curve MCB or fuse ($I_n \leq 80A$)
Enclosure protection	Thermoplastic
Installation method	35 mm DIN-rail
Operating temperature	-40°C ... +80°C
IP protection degree	IP20
Location category	Indoor
Weight (Kg)	0,6
Dimensions (mm) (HeightxWidexDepth)	2 DIN modules (90x36x80)