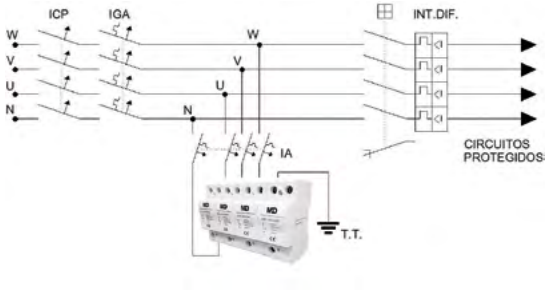
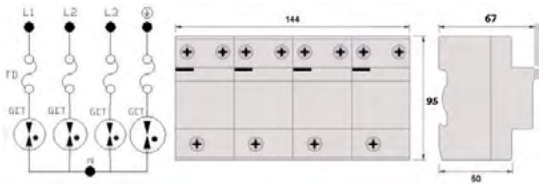
SURGE PROTECTION MODULES IN LOW-VOLTAGE POWER SUPPLY NETWORKS.

Type 1 three-phase surge protective devices are recommended for installations where there is a high probability of lighting strike.
Type 1 protective devices should be coordinated with Type 2 protectors to ensure receivers protection.

- Protection Class I in accordance with EN 61643-11.
- Protection Type I in accordance with EC 61643-1.



Circuit diagram



Scheme and dimensions of AD4-200

DEVICE MODEL	AD4-200/240
Connection mode	Parallel / Three-phase 3F+N+T
Rated voltage / Frequency	240 V_{AC} / 50-60 Hz
Earthing System	TT, IT y TN-S
Thermal disconnection	-
Remote alarm contact	-
Surge response	
Protection type (EN 61643-11 / IEC 61643-1)	Class I / Type 1
Maximum continuous operating voltage (U_c) AC [L–N/N–T]	255 V_{AC} / 255 V_{AC}
Nominal discharge current (8/20) I_n	50 kA
Maximum discharge current (8/20) I_{max}	200 kA
Lighting impulse current (10/350) I_{imp}	50 kA
DC sparkover voltage	600 kA
Protection level U_p [L–N/N–T]	1,5 kV / 1,5 kV
Response time R_t	100 ns
Installation data	
Recommended minimum section of connecting cables	Cu 25 mm²
Recommended protection	D Curve MCB or fuse (I_n≤100A)
Enclosure material	Thermoplastic
Installation method	35 mm DIN-rail
Operating temperature	-40 ºC … +80 ºC
IP protection degree	IP20
Location category	Indoor
Weight (Kg)	1
Dimensions (mm) (Height×Wide×Depth)	8 DIN modules (95×144×67)