



**MULTI-STAGE PROTECTIVE SYSTEM AGAINST SURGES AND MEDIUM TO HIGH FREQUENCY FILTERING FOR A.C. LOW VOLTAGE POWER SUPPLY.**

**TECHNICAL DATA**

Connection mode	Series / Single-phase
Nominal voltage / Freq. / Topology	240 Vac / 50-60 Hz / L+N +PE
Earthing systems	TT, TN-S & IT
Internal disconnection	MCB 80A
Pilot lights	2

**Frequency response (Z = 50 Ω)**

Cut-off frequency	530 Hz
Attenuation at 30 kHz	35 dB

**Surge response**

Protection type	1+2
Maximum continuous operating voltage (Uc) AC	250 V <sub>AC</sub>
Actuating threshold (Un)	275 V <sub>AC</sub>
Response time (t <sub>A</sub> )	25 ns
Itmax (8/20) Line – Neutral	85 kA
Itmax (8/20) Neutral – Earth / Line – Earth	125 kA / 85 kA
Itmax (8/20) Total	295 kA
Protection stages	4

**Installation data**

Minimum recommended cross-section of connecting wire	Cu 16 mm <sup>2</sup>
Recommended protection before the device	40 A
Enclosure	Metal cabinet
Mounting method	Wall fixture
Operating temperature range	[ -10 °C ... +85 °C ]
IP protection degree	IP 20
Location	Indoor
Dimensions (mm) (height-width-depth)	400x300x150



This protection device has been made with safety in mind, but if used in ways inappropriate or not specified by the manufacturer it may cause damage to people or equipment.

Installing and commissioning of the device should be entrusted to a qualified technician and always according to relevant regulation. If the device does not work properly please contact the manufacturer at telephone number (+34) 96 383 81 22 or email address [mdtecnologicos@mdtecnologicos.com](mailto:mdtecnologicos@mdtecnologicos.com).

Before maintenance, repair or handling of any sorts, please ensure disconnection from power supply. Inside the device, dangerous voltage may be present.