



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	400 Hz
Attenuation at 30 kHz	37 dB

Surge response

Protection type	1+2
Maximum continuous operating voltage (Uc) AC	250 V _{AC}
Actuating threshold (Un)	275 V _{AC}
Response time (t _A)	25 ns
I _{tmax} (8/20) Line – Neutral	125kA
I _{tmax} (8/20) Neutral – Earth / Line – Earth	125 kA / 125 kA
I _{tmax} (8/20) Total	375 kA
Protection stages	4

Installation data

Minimum recommended cross-section of connecting wire	Cu 35 mm ²
Recommended protection before the device	63 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

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