

CPN-BLACK-BOX Type III Class III Surge Arrester

A class 3 surge arrester that is a flexible solution to protecting individual pieces of equipment.

Perfectly suited to protecting – ring mains & individual sockets, switch fuse spurs, lighting, fire alarm panels, CCTV cameras etc.

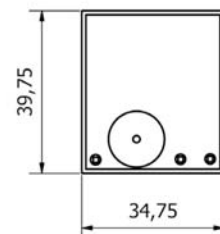
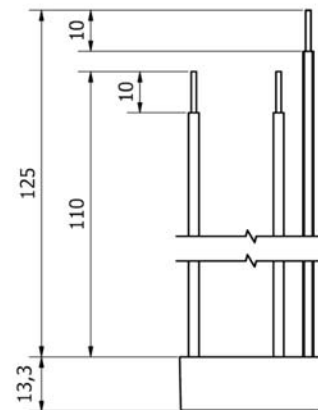
Its small size means that it can be mounted in confined spaces and the audible alarm will indicate if the arrester needs to be replaced

The CPN-BLACK-BOX will offer 10 metres of protection either side of the device it is installed on.



Specification	
SPD according to EN 61643-11	Type 3
SPD according to IEC 61643-1/-11	Class III
Nominal a.c. voltage (U_n)	230 V
Max. continuous operating a.c. voltage (U_c)	250 V
Nominal discharge current (8/20 μ s) (I_n)	1.5 kA
Total discharge current (8/20 μ s) [L+N-PE] (I_{total})	3 kA
Combined impulse (U_{oc})	3 kV
Combined impulse [L+N-PE] (U_{oc} total)	6 kV
Voltage protection level [L-N] (U_p)	≤ 1.25 kV
Voltage protection level [L/N-PE] (U_p)	≤ 1.5 kV
Response time [L-N] (t_A)	≤ 25 ns
Response time [L/N-PE] (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	32 A gL/gG
Short-circuit withstand capability for mains-side Overcurrent protection with 32A gL/gG	6 kA _{ms}
Temporary overvoltage (TOV) [L-N] (U_T)	335 V / 5 sec.
Temporary overvoltage (TOV) [L/N-PE] (U_T)	400 V / 5 sec.
Temporary overvoltage (TOV) [L+N-PE] (U_T)	1200 V + U_{CS} / 200 ms
Fault indication	Acoustic signal on
Number of ports	1
Operating temperature range (T_v)	-25°C... + 70
Terminal wires	1 mm ² , 125 mm long
Enclosure material	Epoxy encapsulation, black, uL 94 VØ
Place of installation	Indoor installation
Degree of protection of installed device	IP 50
Dimensions	35 x 40 x 13.5
Part Code:	CPN-BLACK-BOX

Dimensions (mm)



PD Devices reserves the right to amend specifications in line with product development.

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application.

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