

EMC-Power Strip with Line Filters



FLBB Series

Approval obtained or pending:



The «Power Strip with integrated line filter (FLBB)» protects all connected electronic equipment from high frequency power line interference (sinusoidal or transient) i.e. burst (EN 61000-4-4).

The construction corresponds to the requirements of VDE 0620 for plugs and sockets outlets.

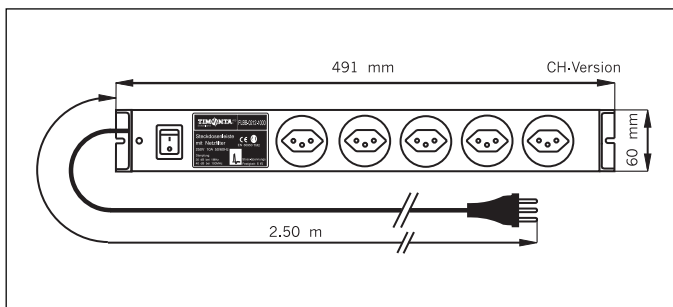
In addition, the built-in line filter attenuates interference from the equipment to the power line as an RFI-suppression filter.

The integrated line filter designed to the Norm EN 133200 and intended for IEC 60950 applications, can handle surge voltages up to 6 kV. This increases the safety of the connected devices as well as the total service life (MTBF: 300 000 h).

Applications:

- Personal Computer
- Monitors
- Terminals
- Modems
- Fax equipment
- Laser and matrix printer
- Electronic type writers
- Copy machines
- Calculators
- TC and video equipment

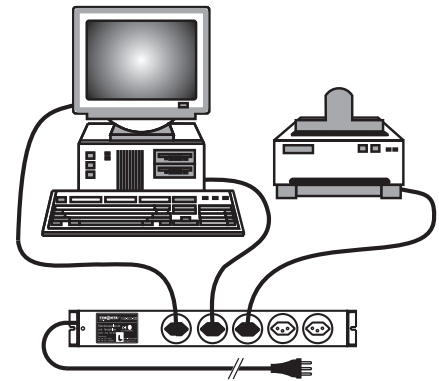
Mechanical dimensions



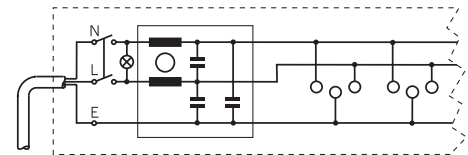
Mechanical dimensions for D-version are identical.



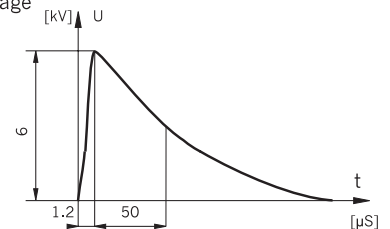
Application



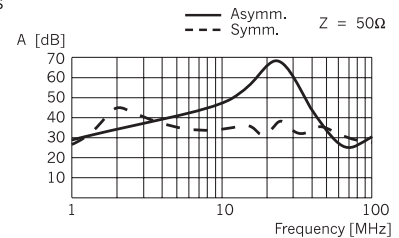
Circuit diagram



Immunity to Surge Clamping Voltage EN 61000-4-5



Attenuation loss



Technical Data

Model	Type	I_N (1) ϑ_a 40°C [A]	U_R (U_{max}) [V]	Leakage curr. (2) @ 250 V/50 Hz [mA]	Plug.Type	Filter attenuation 1 MHz/100 MHz (fig. 3)	Surge Voltage Immunity (fig.2)	Dimensions L x D x H [mm]
CH	FLBB-0212-1000	10	250V/50/60Hz	< 0.5	5 x T13	>25dB/25dB Symm. and Asymm.	6kV 1.2/50µs Symm. and Asymm.	491 x 63 x 50
D	FLBB-0222-1600	16	250V/50/60Hz	< 0.5	5 X Schu	>25dB/25dB Symm. and Asymm.	6kV 1.2/50µs Symm. and Asymm.	cable 2.5 m

(1) Current derating over 40°C : $I = I_N \sqrt{(85 - \vartheta_a)/45}$

(2) Measured according to IEC 60950 5.2.3 Annex D, see introction of this catalog, paragraph 3.5