

EMI filter with feed through capacitor



*Image shown is for illustrative purpose only



Technical specifications

| | |
|-----------------------------|--|
| Operating voltage | 120/250 VAC |
| Current rating | 10A |
| Frequency | 50/60Hz |
| Voltage drop | 1 Volt max. |
| High potential test voltage | P -> E 1500VAC |
| Insulation resistance | $\geq 300 \text{ M}\Omega @ 500\text{VDC (PN}\rightarrow\text{E)}$ |
| Operating temperature | 40°C / -25°C +85°C |

Features and benefits

- | Very low internal series inductance
- | Very high self-resonant frequency
- | Self-healing dielectric
- | High quality and reliability
- | Custom-specific or dual-versions on request
- | Cost effective solution
- | All filters provide high attenuation performance

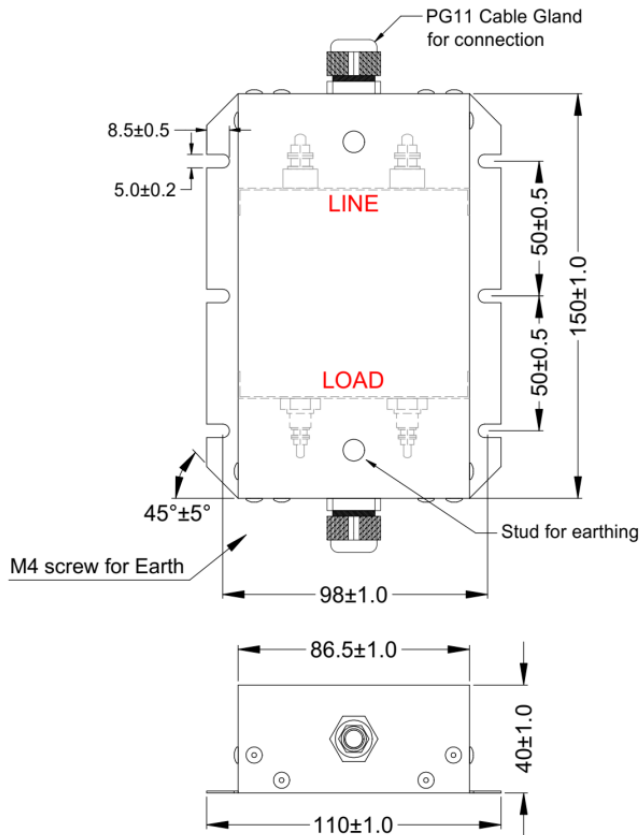
Attenuation Type

Double stage **High**

Applications

- | Power line filter
- | Medical equipment
- | Power supplies
- | Switching and cellular equipment
- | Computer servers
- | UPS power supplies
- | Medical equipment
- | Shielded rooms
- | Increasing system and information security
- | Radar applications
- | Electro mobility
- | VFD

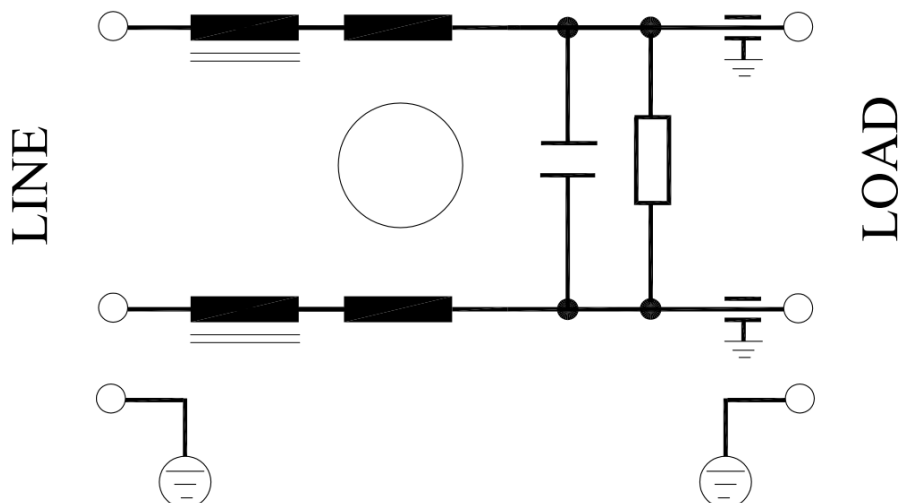
Mechanical details



All dimensions in mm

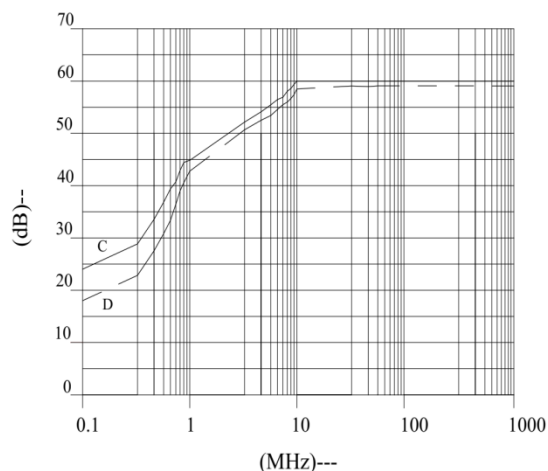
Electrical schematic

General purpose –



Filter attenuation Graph

C = Common mode (asymmetrical) —
D = Differential mode (symmetrical) - - - - -

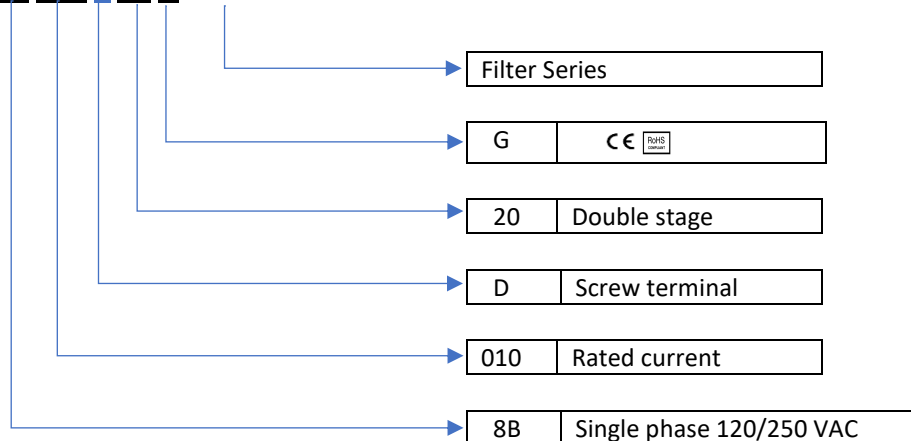


Connection Type

| Current Rating (A) | Screw terminal | Screw terminal | Earthing |
|--------------------|----------------|----------------|----------|
| 10 | For Input M4 | For Output M3 | M4 screw |

Syntax

EF - 8B CCC X YY G - C20



- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-8B010D20G-C20).
- Maximum leakage under usual AC operating conditions (acc. IEC 60939-3). Note: if the neutral line is interrupted, worst case leakage could reach twice this level.
- Customize products provided on request.