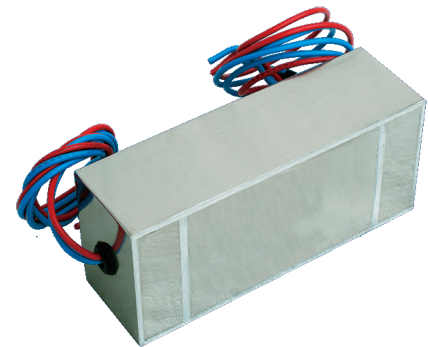


8004 - Power line filters for shielded cabinet

The 8004 series Power line filters for shielded cabinets is a superior filter housed in a three compartment casing that achieves 100 dB insertion transmission loss at 14 kHz till 40 GHz. The circuit is designed as a symmetrical double-circuit with high quality rod cores providing inductance. These cores do not saturate due to their large air gap and they are insensitive to asymmetrical load.

This series of power line filters is specially designed for well grounded shielded cabinet with rated voltage of 250VAC/50Hz. It is compact and in compliance with Class B and C standards for shielded cabinet. The 8004 series is particularly suitable to be used on MRI rooms.

This series is only offered as a two line filter (phase and neutral). The neutral line is always attenuated and all conductors are decoupled from each other. This allows the conductors to operate independently without attenuation loss.



8004 series Power line filters for shielded cabinets

Advantages

- High attenuation level for lower frequencies
- Suitable for use under extreme conditions (military applications)
- Wear resistant
- Insensitive for corrosion

Applications

- Shielded rooms
- Shielded chambers
- Anechoic chambers
- Military applications

Product range

Type	I_R (A)	$I_{Leakage}$ (mA) *	Outline drawing	Shielding Effectiveness (dB)
8004-6	26	30	1	100dB, 14k-40GHz
8004-16	216	30	1	
8004-20	220	30	1	
8004-32	232	30	2	
8004-16-LL	2x16	3	1	

All power line filters mentioned above are intended to be placed before the earth leakage circuit breaker.
 When you need a power line filter that you can place after the earth leakage circuit breaker,
 you can use the LL version (8004-16-LL).

*If voltage between neutral and earth is 0V

Dimensional diagrams

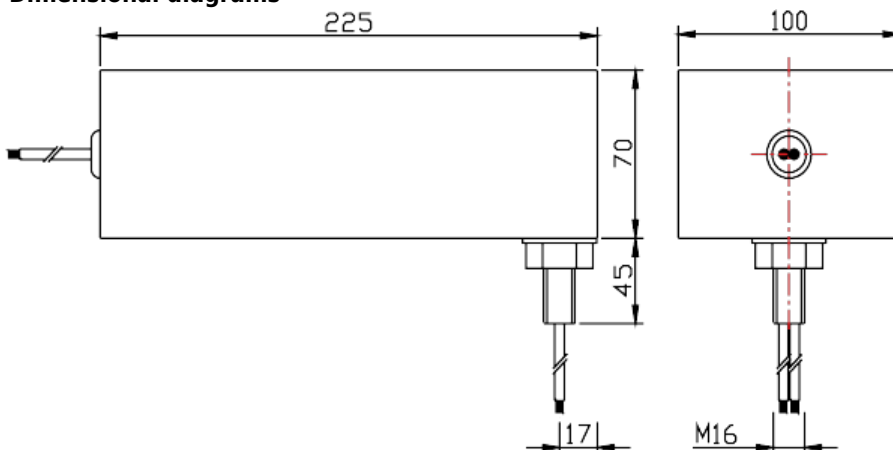


Diagram 1

8004 - Power line filters for shielded cabinet

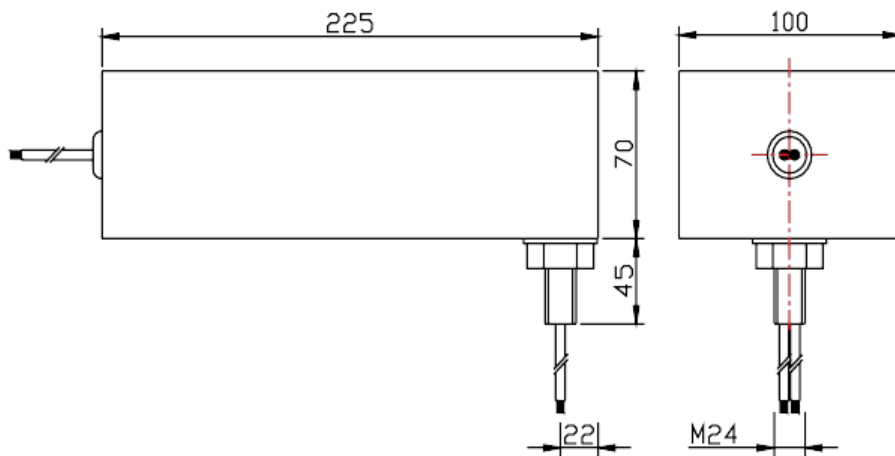


Diagram 2

Partnumber / Ordercode:

8004	..	XXX
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Series	Rated current (A)
8004	Select an option:
	6 : 6 ampere
	16 : 16 ampere
	20 : 20 ampere
	32 : 32 ampere

Sample of Partnumber:

8004	..	16
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* **Note:** The red blocks are required