



3-Phase 4-Wire Power Line Filter

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1. Product Description

Our 3-phase 4-wire Power Line Filter is designed to provide exceptional electromagnetic interference (EMI) suppression for industrial applications. Its advanced filtering technology ensures smooth operation by reducing noise and protecting sensitive equipment. This filter is ideal for environments requiring high-performance power systems, such as automation, motor drives, and uninterruptible power supplies (UPS). With a robust, space-saving design, it offers easy installation and reliable performance across various sectors, including industrial, commercial, and energy systems. Its efficient filtering capabilities contribute to enhanced system stability and equipment longevity.



2. Typical Applications

- Industrial equipment and power systems with four-wire configurations, providing reliable EMI filtering and performance
- Photovoltaic systems and industrial applications
- 3-phase motors
- UPS / Switch-mode power supplies
- Industrial automation equipment

3. Product Features

- Prevents interference voltage
- Easy installation with wiring, features a safety cover to prevent accidental contact
- Customizable products to meet specific customer requirements
- Versatile and general-purpose

- General-purpose and space-saving
- Certification: CE approved (designed according to UL939, CSA C22.2 No.8, IEC/EN 60939, CQC GB 15288/GB 15287-2008 standards)

4. Technical Data

Type	Rated Current (A)	Rated Voltage	Rated Frequency	I _{Leakage} (≤mA)	Test Voltage (2s)	Dim.	Output	Climate Category
ND4107-5Q	5	250/440V AC	50/60Hz	1 250VAC/ 50Hz	Line/Line 1500VDC Line/Ground 2250VDC	Fig 1		25/85/21
ND4109-10S	10					Fig 2		
ND4109-20S	20							
ND4109-30S	30					Fig 3		
ND4110-50S	50							
ND4111-80S	80							
ND4111-100S	100					Fig 4		

5. Outline Drawing (mm)

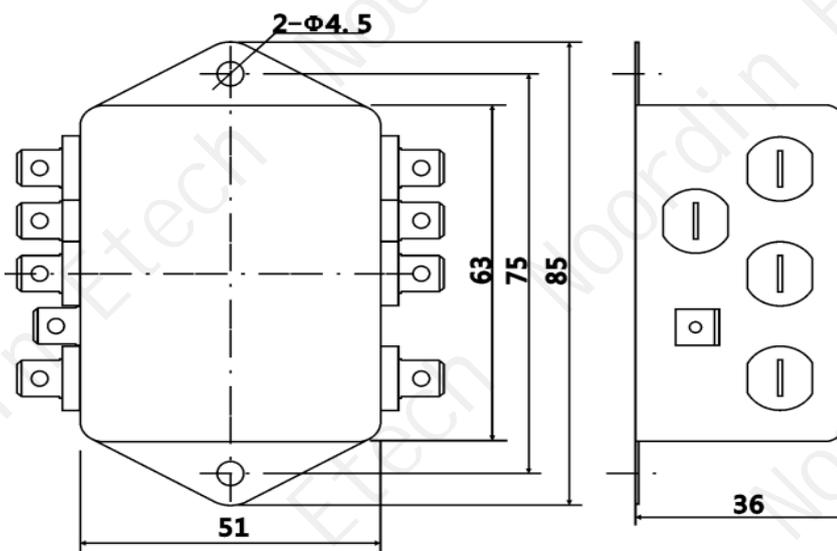


Fig 1

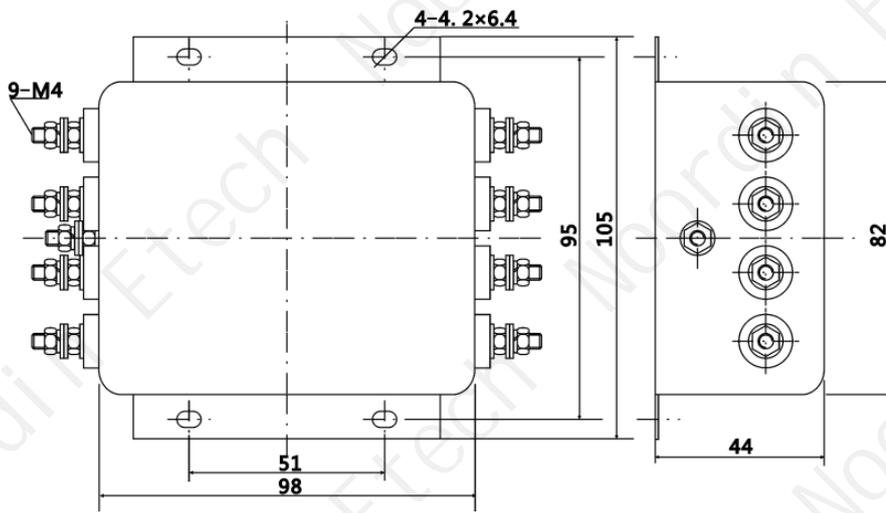


Fig 2

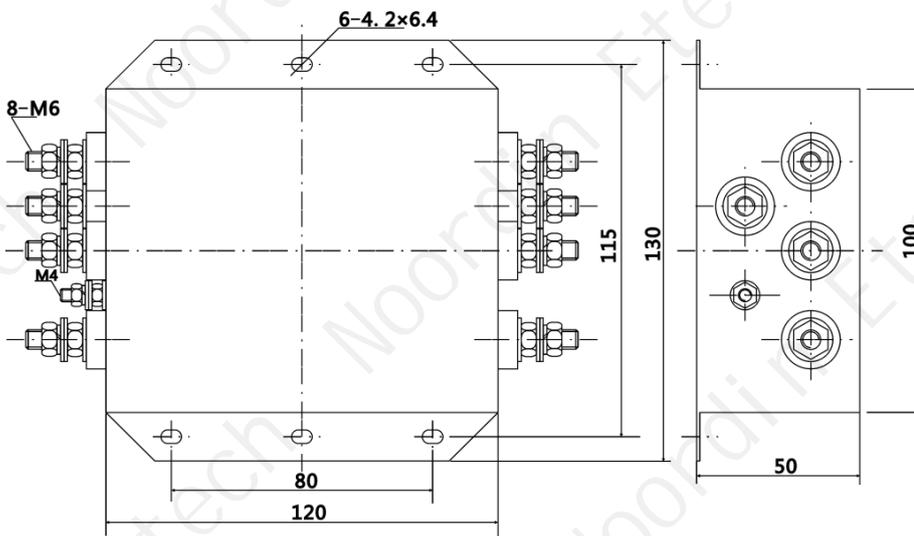


Fig 3

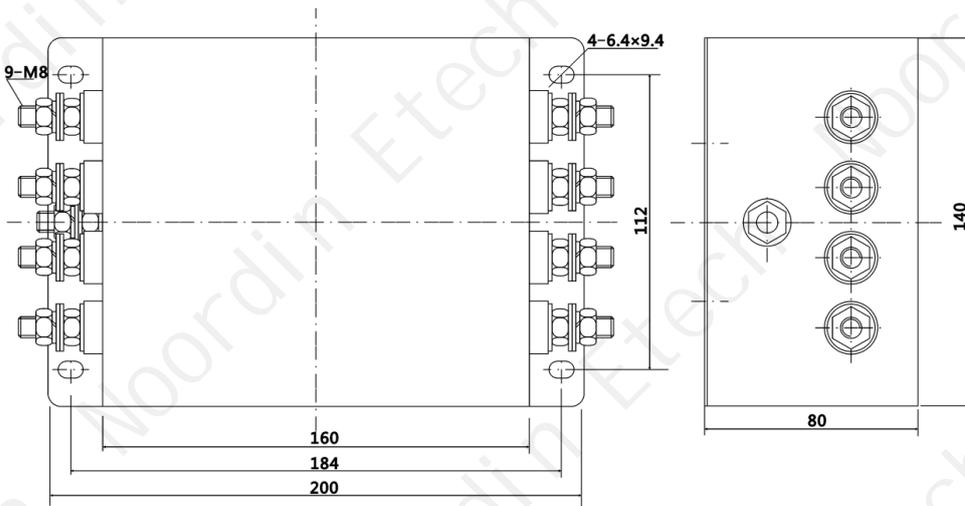
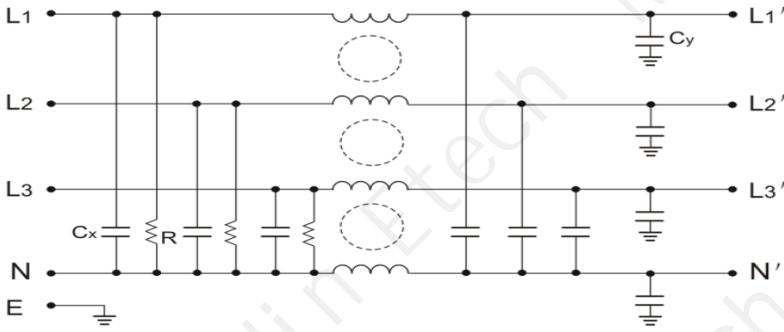


Fig 4

6. Circuit Diagrams

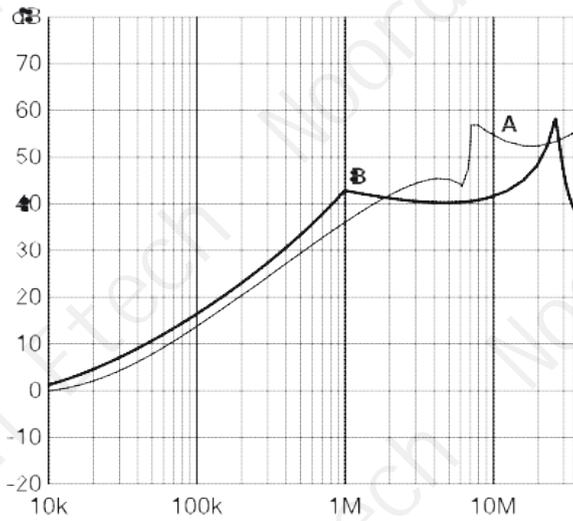


7. Insertion Loss

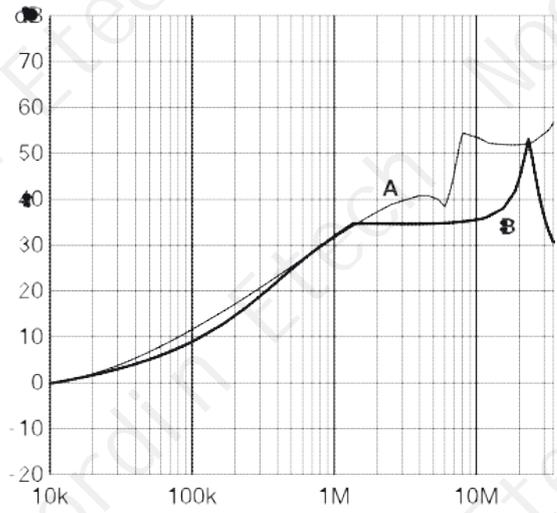
Insertion loss measured in 50Ω/50Ω system, as IEC/CISPR No. 17

A=Differential mode B=Common Mode

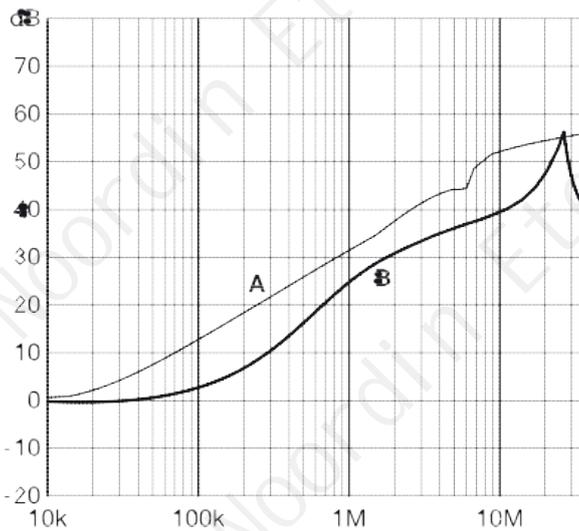
5 to 20A Type



30 to 50A Type



75 to 100A Type



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