3-Phase 3-Wire Power Line Filter

1. Product Description

Our 3-Phase 3-Wire Power Line Filter is meticulously engineered to deliver high-performance electromagnetic interference (EMI) suppression for three-phase power systems. By effectively filtering out unwanted noise and harmonics from power lines, it ensures the stable and reliable operation of electrical equipment. Designed for industries operating in demanding environments, this filter guarantees smooth power transmission while safeguarding sensitive electronic devices from disruptions. Offering exceptional protection, it minimizes system downtime and enhances overall operational efficiency, making it an indispensable solution for critical applications.

2. Typical Applications

- Photovoltaic systems
- Industrial automation equipment
- Variable-speed drives
- Servo drives
- Inverters and converters
- Elevators control cabinet
- Power supplies
- 3-phase power systems like UPS
- Motor drive applications

3. Product Features

- Prevents interference voltage

- Easy to install with wiring and safety cover to prevent accidental contact
- Customizable to meet specific customer requirements
- Space-saving, designed for quick and hassle-free installation in various setups
- Available with various output connection options
- Certification: CE approved (designed according to UL939, CSA C22.2 No.8)

4. Technical Data

Type	Rated Current (A)	Rated Voltage	Rated Frequency	$I_{Leakage}$ (≤mA)	Test Voltage (2s)	Dim.	Output	Climate Category
ND3107-5Q	5	250/440V AC	50/60Hz	1 250VAC/ 50Hz	Line/ Line 1500VDC Line/ Ground 2250VDC	Fig 1		25/85/21
ND3109-10S	10					Fig 2		
ND3109-20S	20							
ND3109-30S	30							
ND3110-50S	50					Fig 3		
ND3111-80S	80					Fig 4		
ND3111-100S	100							
ND3111-150S	150					Fig 5		
ND3111-200S	200							

5. Outline Drawing (mm)

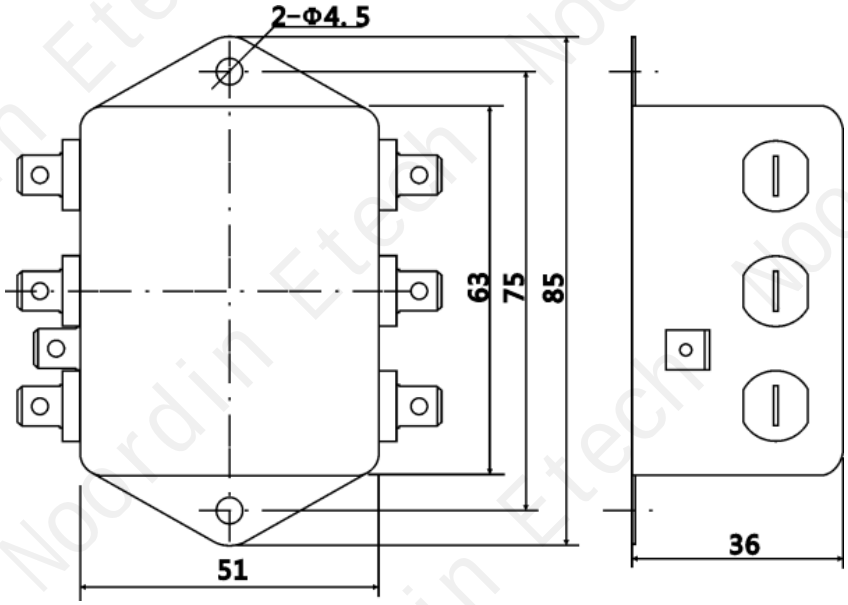


Fig 1

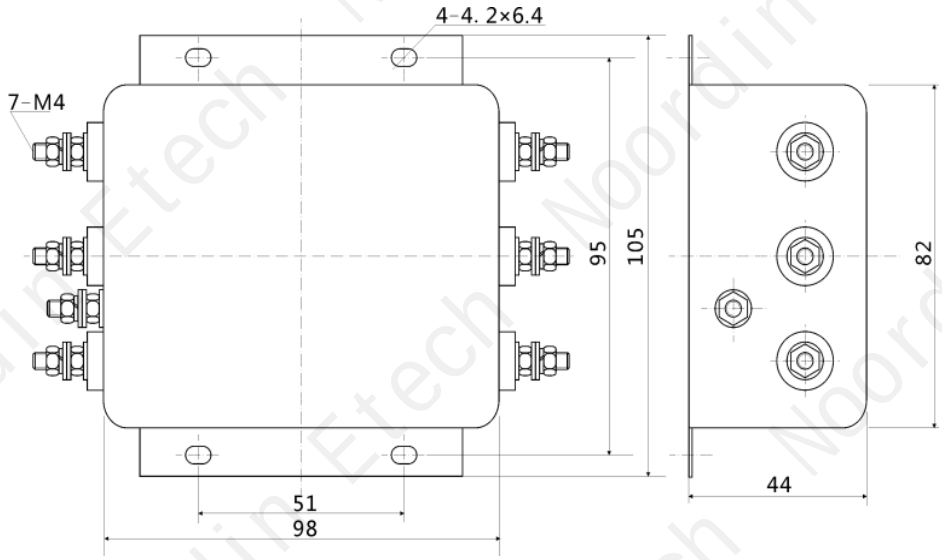


Fig 2

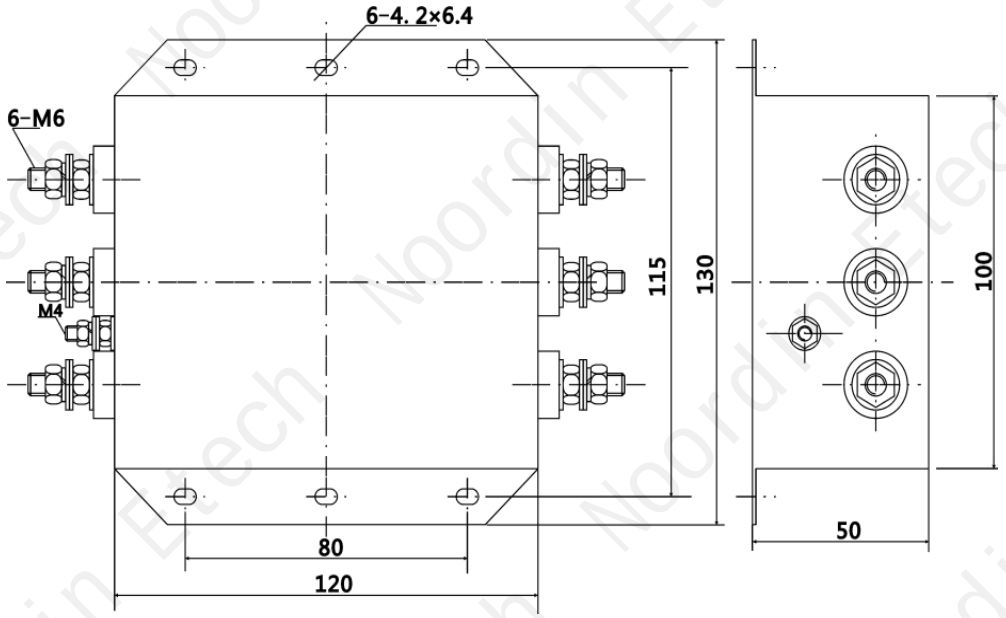


Fig 3

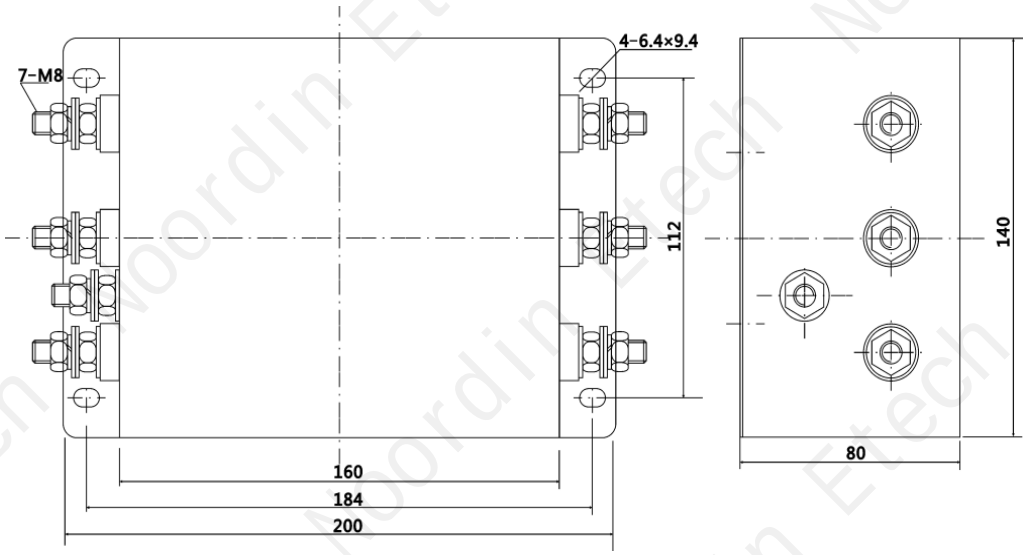


Fig 4

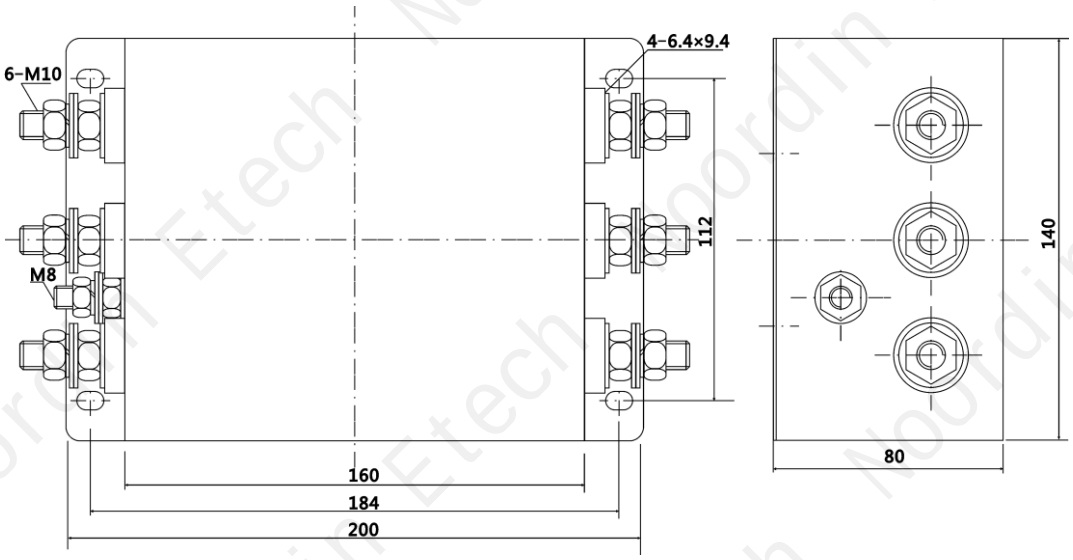
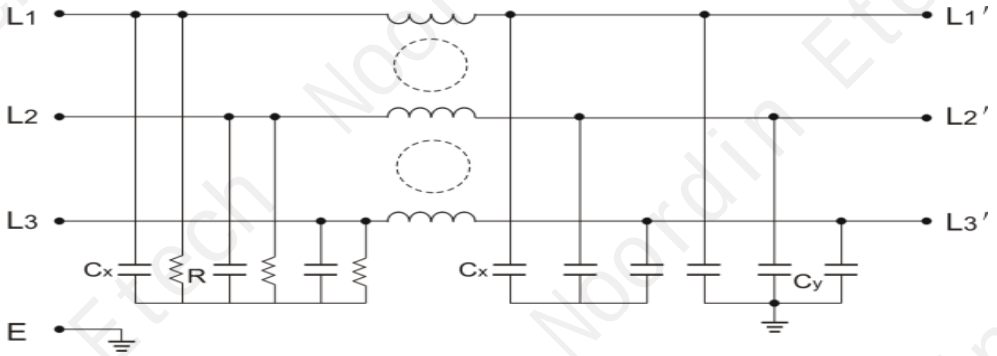


Fig 5

6. Circuit Diagrams

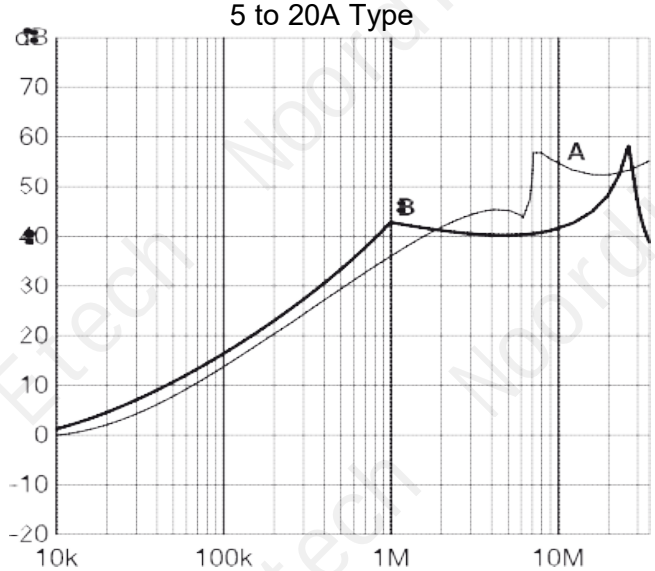


7. Insertion Loss

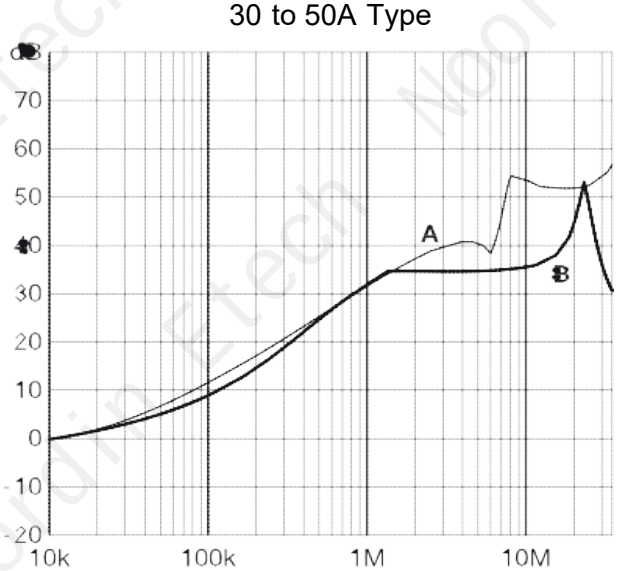
Insertion loss measured in 50Ω/50Ω system, as IEC/CISPR No. 17

A=Differential mode B=Common Mode

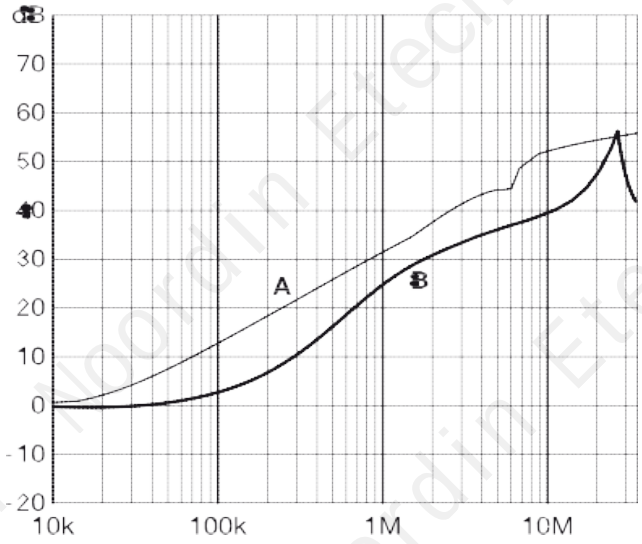
5 to 20A Type



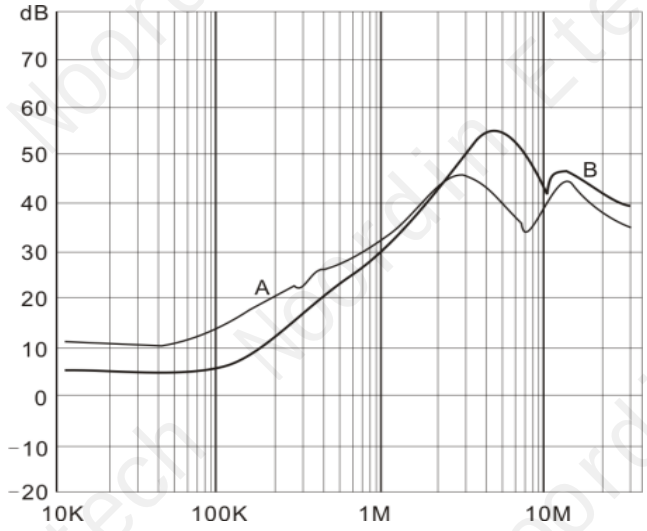
30 to 50A Type



80 to 100A Type



150 to 200A Type



Contact Us

No. 11 Shunyuan Road, Xinbei District, Changzhou, Jiangsu Province, China

+86 0519 86815058

sales@noordin.cn, cyt@noordin.cn, bjw@noordin.cn