

Overview

AW Three-Phase and Neutral Filters provide a cost-effective level of suppression within compact enclosures. The filter housing's small footprint and low profile ensures ease of installation within manufacturers' original equipment. Benefits include current ratings from 3 A to 20 A, solid high-frequency attenuation, and screw and faston termination styles.

Applications

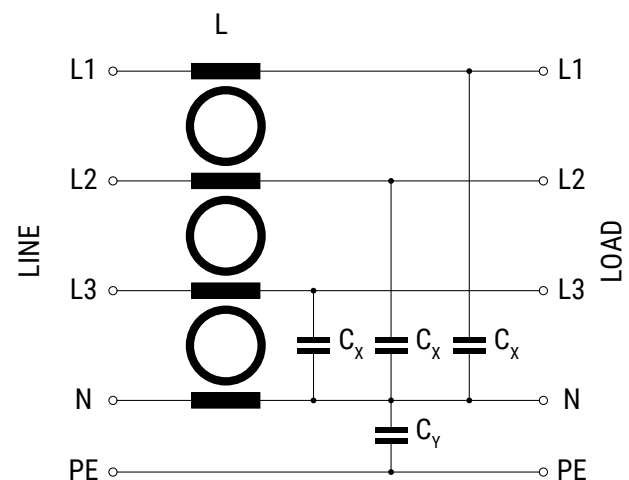
The AW is designed to suit a wide variety of general purpose power applications, equipment cabinets, and industrial control systems.



Technical Specifications

| Item | Parameters/Characteristics |
|-------------------|------------------------------------|
| Rated Voltage | 440 VAC |
| Rated Frequency | 50 – 60 Hz |
| Rated Current | 3 – 10 A |
| Rated Temperature | -25°C to +85°C |
| Climate Category | 25/085/21 |
| Voltage Test | P → P 1,700 VDC P → E 3,000 VDC |

Typical Electrical Schematic



Technical Specifications cont.

| Part Number | I_R (A) | L (mH) | C_x (μ F) | C_y (nF) | I_L (μ A) ¹ |
|---------------|-----------|----------|------------------|------------|-------------------------------|
| FLLD3003AAW03 | 3 | 4 x 0.25 | 0.1 | 22 | 83 |
| FLLD3003AAW04 | 3 | 4 x 0.45 | 0.1 | 4.7 | 18 |
| FLLD3006AAW04 | 6 | 4 x 0.45 | 0.1 | 4.7 | 18 |
| FLLD3006AAW03 | 6 | 4 x 0.45 | 0.1 | 22 | 83 |
| FLLD3010AAW01 | 10 | 4 x 1.5 | 0.1 | 22 | 83 |
| FLLD3010AAW02 | 10 | 4 x 0.2 | 0.1 | 4.7 | 18 |

¹ The calculation is according to IEC 60939. During fail conditions, the current may be higher.

Approvals

The FLLD3 – AW is designed according to IEC/EN/UL 60939 and UL1283.

| Standard | Certification Body | File Number |
|----------------------|--------------------|-------------|
| UL 1283, 5th Edition | UL | E192374 |

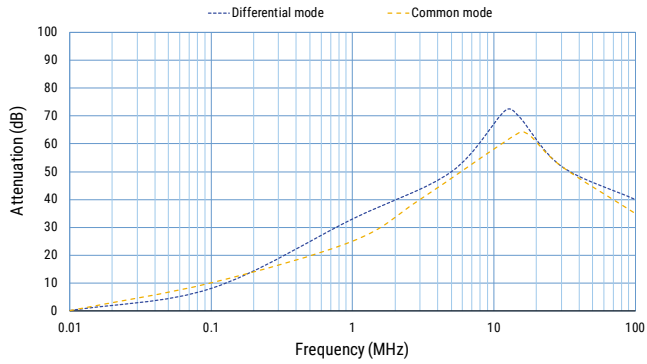
Environmental Compliance

KEMET EMI filters are RoHS Compliant.

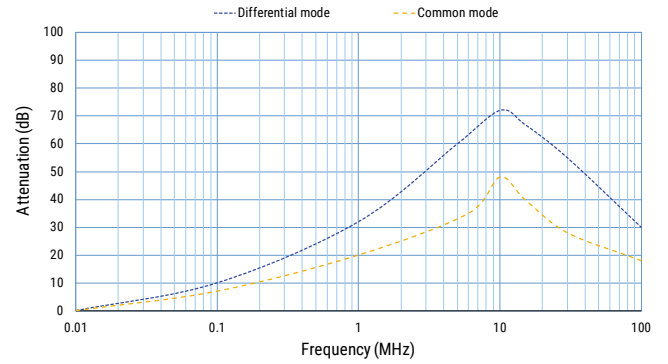


Typical Insertion Loss

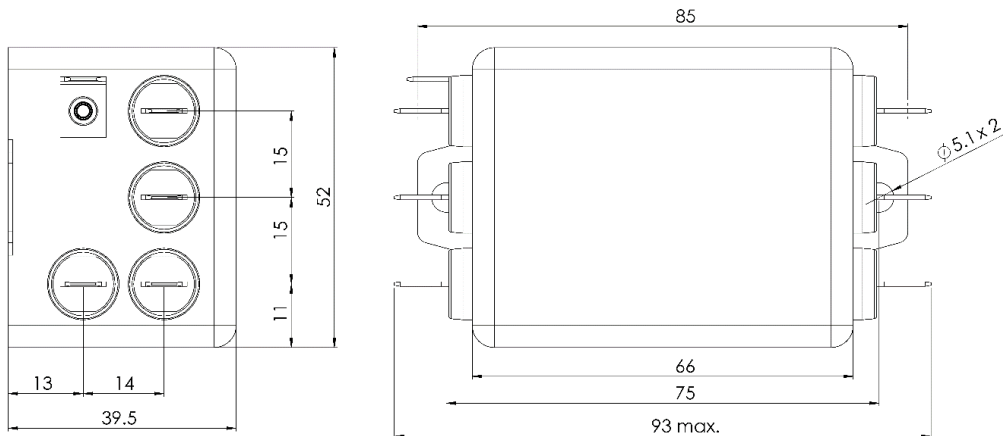
3 and 6 A



10 A



Mechanical Dimensions – Millimeters



- *Metallic case*
- *Sealed with self-extinguishing resin*
- *Fast-on connection 6.3 x 0.8 mm*

Tolerances, if not stated, are according to ISO 2768-c.

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