Three-Phase and Neutral Filters
FLLD3 – AW

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Parameters/Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Voltage</td>
<td>440 VAC</td>
</tr>
<tr>
<td>Rated Frequency</td>
<td>50 – 60 Hz</td>
</tr>
<tr>
<td>Rated Current</td>
<td>3 – 10 A</td>
</tr>
<tr>
<td>Rated Temperature</td>
<td>−25°C to +85°C</td>
</tr>
<tr>
<td>Climate Category</td>
<td>25/085/21</td>
</tr>
<tr>
<td>Climate Category</td>
<td>40/100/21</td>
</tr>
<tr>
<td>Voltage Test</td>
<td>P → P 1,700 VDC</td>
</tr>
<tr>
<td></td>
<td>P → E 3,000 VDC</td>
</tr>
</tbody>
</table>

Part Number       | $I_e$ (A) | $L$ (mH) | $C_x$ (µF) | $C_y$ (nF) | $I_l$ (µA)$^1$ |
---                | ---       | ---      | ---        | ---        | ---           |
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.

<table>
<thead>
<tr>
<th>Standard</th>
<th>Certification Body</th>
<th>File Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL 1283, 5th Edition</td>
<td>UL</td>
<td>E192374</td>
</tr>
</tbody>
</table>

Environmental Compliance

KEMET EMI filters are RoHS Compliant.

Typical Insertion Loss

3 and 6 A

10 A
Three-Phase and Neutral Filters
FLLD3 – AW

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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