

Chassis Mount Filters

F.LL.D3 series-AB type

Three phase and neutral - high performance

This three phase and neutral filter series provides a high level of attenuation across a broad frequency spectrum. The filter housing's small footprint and option of flange or M5 captive nut mounting, ensures ease of installation within manufacturers original equipment. The AB series is particularly suited for UPS, switch mode power supplies, industrial control systems and other such applications.

- Current ratings from 25A to 63A
- Choice of performance options
- High symmetric and asymmetric attenuation
- Screw or terminal block connectors
- Compact enclosure styles
- Captive nut or flange mounting designs

Mechanical Specifications

Manufacture: tin-plate case with captive nut M5 for mounting,
on D3.025A, 36A, 50A, 63A
with mounting flanges on D4.036A, 50A
electrical components sealed with resin.

Connections: threaded bar with metric nut M6;
D4.036A with terminal blocks to accept 10mm²
cable.
D4.050A with terminal blocks to accept 25mm²
cable.



Electrical Specifications

Rated voltage (V_R): max 440V (ph-ph), 50/60Hz

Rated current (I_R): referred to room temperature = 40°C

Leakage current (I_L): at $V_R / \sqrt{3}$, 50Hz max value

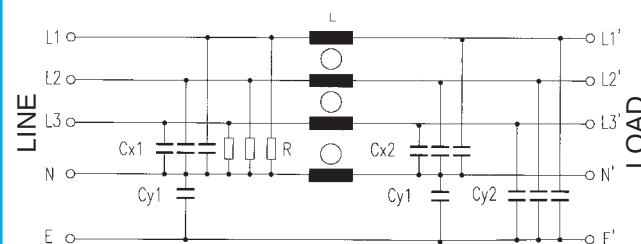
Voltage test (2_s): line to ground 2700Vdc
line to line 1075Vdc

Climatic category: HPF (25/085/21):
Temperature range: -25°C to +85°C

Filter Range

Code	I_R (A)	L (mH)	Cx ₁ (μF)	Cx ₂ (μF)	Cy ₁ (pF)	Cy ₂ (pF)	I_L (mA)	R (MΩ)	Case
F.LL.D3.025A.AB.01	25	4x1.2	3x2.2	3x2.2	2x15000		<3.2	3x0.47	B
F.LL.D3.036A.AB.01	36	4x0.95	3x2.2	3x2.2	2x15000		<3.2	3x0.1	A
F.LL.D4.036A.AB.03	36	4x1.3	3x2.2	3x2.2	2x15000		<3.2	3x0.1	D
F.LL.D3.050A.AB.01	50	4x2.0	3x2.2	3x2.2	2x15000		<3.2	3x0.47	B
F.LL.D4.050A.AB.R3	50	4x0.5	3x2.2	3x2.2	2x22000	3x4700	<6.1	3x0.1	E
F.LL.D3.063A.AB.01	63	4x0.7	3x2.2	3x2.2	2x15000		<3.2	3x0.47	B
F.LL.D3.063A.AB.08	63	4x0.7	3x2.2	3x2.2	2x15000		<3.2	3x0.47	C

Circuit diagram



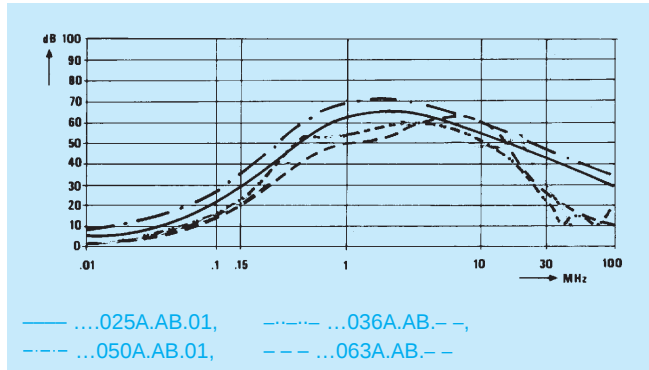
Approvals

Made in accordance to VDE, UL and CSA requirements

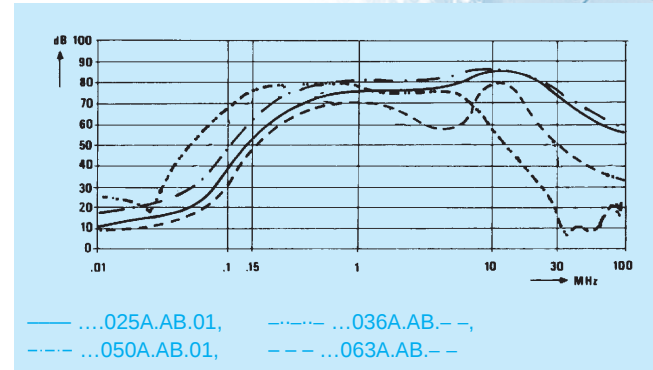
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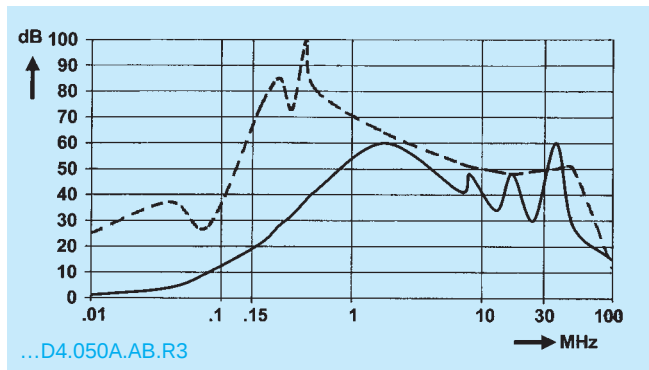
Insertion loss (typical): Asymmetrical (line to ground)



Insertion loss (typical): Symmetrical (line to line)



Insertion loss (typical): — Asymmetrical (line to ground) --- Symmetrical (line to line)



Dimensions (mm) and connections

