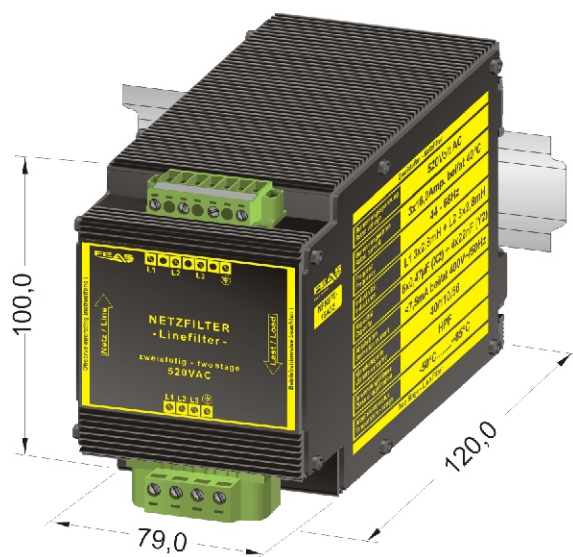


Radio interference suppression filter 3-Lines 2-Stages Type NFK870-16A32



Technical data

Input data

Rated voltage U_n	see table below
Frequency	see table below
Rated current I_n	see table below
Overload current	$1,5 \times I_n$ $t < 2$ minutes $3 \times$ / hours
Inductance L_n	see table below
Capacity C_n	see table below
Derivation current	$< 7,5$ mA at 400V~, 50Hz
Discharge resistor	$3 \times$ approx. 1M

Operating data

Duty circle	100%
Operating temperature range	-50°C to $+85^\circ\text{C}$
Derating	-
Storage temperature range	-50°C to $+105^\circ\text{C}$
Cooling	selfcooling recommended respective distance 15 mm each

Safety devices

Input fuse	-
Output fuse	-
Overload protection	-
MTBF	>380.000 h

Safety data

Test voltage	2,5kV- (Conductor - PE)
Protection class	class 1, with PE connection (EN 60950)
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical atmosphere
Protection class enclosure	IP 65
Protection class terminals	IP 20 (BGV A3)
Vibration proof	>30 g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27

Applied design specifications

according to VDE	VDE 0100,0110,0113,0140-1,0551,0160/W2,0806
IEC	IEC 60939-1,IEC60939-2,IEC60068-2-3, IEC 60068-2-11-52,IEC 60529,IEC 380
EN	EN133200,EN60068-1,EN 60950, EN61000-6-1-2-3-4,EN50178, EN55011,EN50204,EN61558-2-17, EN60204,EN60529, EN61000-4-2-3-4-5-6-8-11, EN60068-1, EN60068-2-1-2-3-6-27-30, EN45501,EN50021
CSA / UL	CSA-C 22.2 / UL1283, UL94V1

Mechanical data

Mounting	On rails acc. to DIN 46277 or wallmounting with screws
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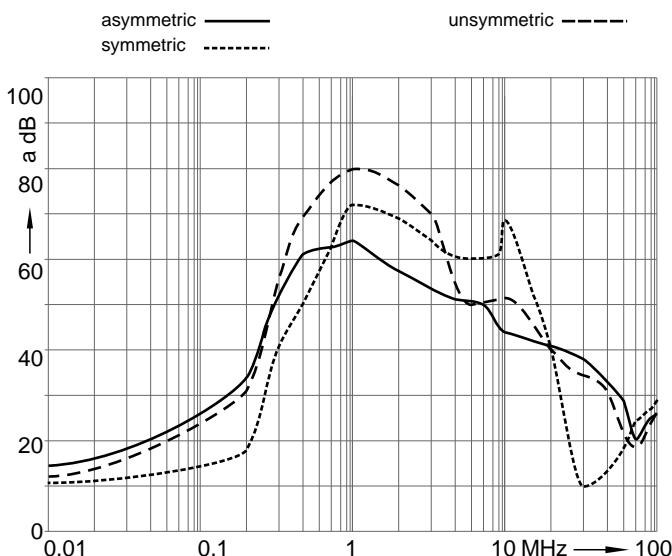


- compliant

- High insertion loss over a broad frequency range
- Optimised against asymmetric interferences
- Using aluminium enclosure in order to improve the heat conduction
- Suitable for the tropics - Epoxy resin casted
- Safety acc. to VDE, EN, UL and CSA

Type	NFK870-16A32
Order number	51096
Rated voltage	520 V _{AC}
Frequency	44 - 66 Hz
Rated current	3 x 16,0 A
Inductance	L1 3x2,8mH L2 3x2,8mH
Capacity	6 x 0,47µF(X2) 4 x 22nF(Y2)
Dimensions (W x H x D)	79x100x120
Weight	approx. 2,00 kg

Insertion loss at 50



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