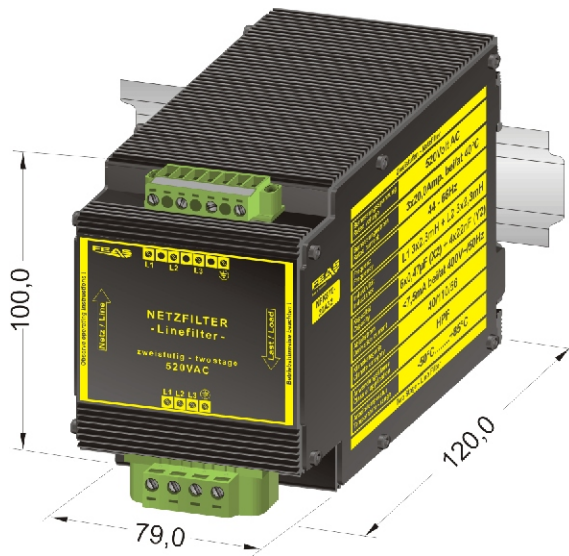


# Radio interference suppression filter 3-Lines 2-Stages Type NFK870-20A32



**CE** - 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

<b>Type</b>	NFK870-20A32
<b>Order number</b>	51095
<b>Rated voltage</b>	520 V <sub>AC</sub>
<b>Frequency</b>	44 - 66 Hz
<b>Rated current</b>	3 x 20,0 A
<b>Inductance</b>	L1 3x2,3mH L2 3x2,3mH
<b>Capacity</b>	6 x 0,47µF(X2) 4 x 22nF(Y2)
<b>Dimensions (W x H x D)</b>	79x100x120
<b>Weight</b>	approx. 2,00 kg

## Technical data

Input data	
Rated voltage U <sub>n</sub>	see table below
Frequency	see table below
Rated current I <sub>n</sub>	see table below
Overload current	1,5 x I <sub>n</sub> t < 2 minutes 3 x / hours
Inductance L <sub>n</sub>	see table below
Capacity C <sub>n</sub>	see table below
Derivation current	< 7,5mA at 400V~, 50Hz
Discharge resistor	3 x approx. 1M

Operating data	
Duty circle	100%
Operating temperature range	-50°C to +85°C
Derating	-
Storage temperature range	-50°C to +105°C
Cooling	selfcooling recommended respective distance 15 mm each

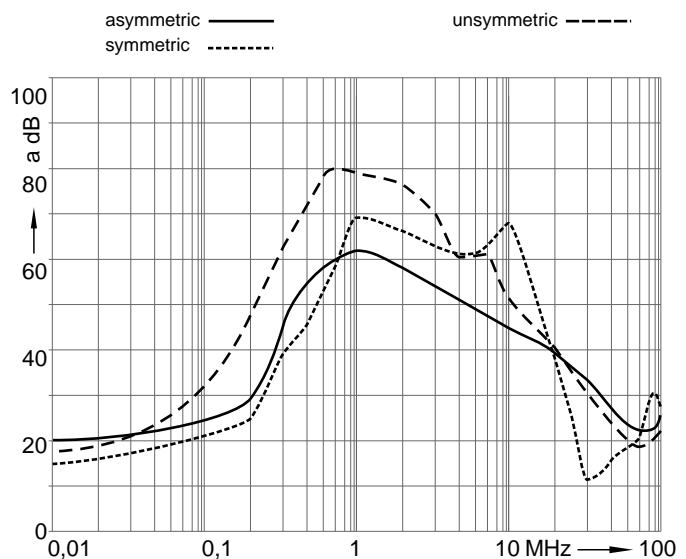
Safety devices	
Input fuse	-
Output fuse	-
Overload protection	-
MTBF	>380.000 h

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	>30g 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

## Insertion loss at 50



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