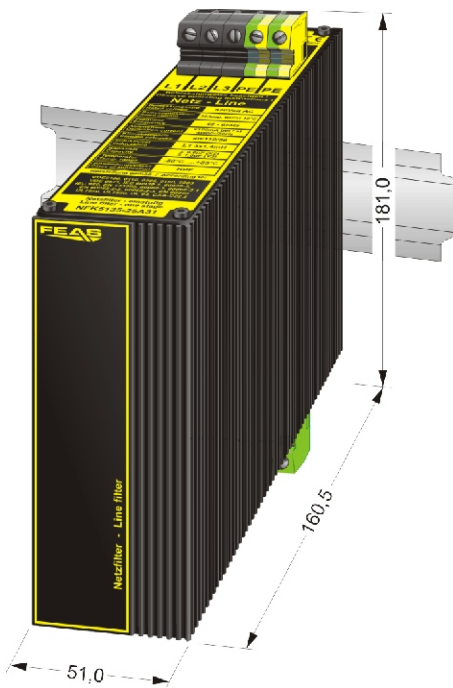


# Radio interference suppression filter 3-Lines 1-Stage Type NFK5135-25A31-H



**CE** - compliant

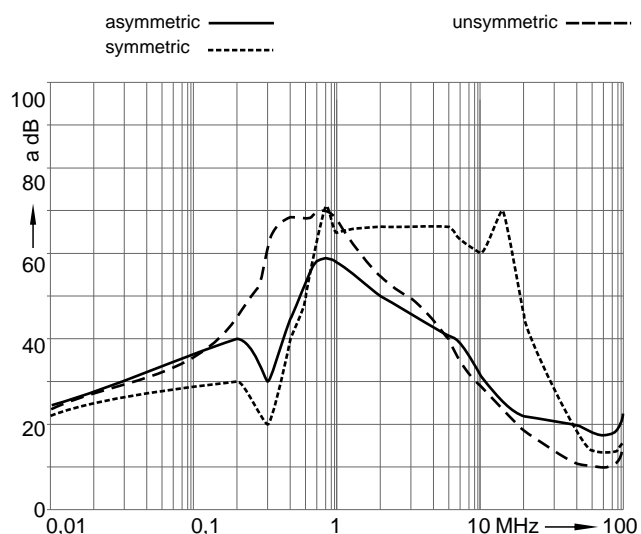
- High insertion loss over a broad frequency range
- Small enclosure design
- Using aluminium enclosure in order to improve the heat conduction
- Suitable for the tropics - Epoxy resin casted
- Safety acc. to VDE, EN, UL and CSA

<b>Type</b>	NFK5135-25A31
<b>Order number</b>	51100
<b>Rated voltage</b>	520 V <sub>AC</sub>
<b>Frequency</b>	40 - 66 Hz
<b>Rated current</b>	3 x 25,0 A
<b>Inductance</b>	3 x 1,4mH
<b>Capacity</b>	3x2,2µF+3x1µF(X2) 1 x 1,0µF(Y2)
<b>Dimensions (W x H x D)</b>	51x181x160,5
<b>Weight</b>	approx. 2,50 kg

## Technical data

<b>Input data</b>	
Rated voltage U <sub>r</sub>	see table below
Frequency	see table below
Rated current I <sub>r</sub>	see table below
Overload current	1,5 x I <sub>r</sub> t < 2 minutes 3 x / hours
Inductance L <sub>r</sub>	see table below
Capacity C <sub>r</sub>	see table below
Derivation current	< 3,5mA at 400V~, 50Hz
Discharge resistor	3 x approx. 1M
<b>Operating data</b>	
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
<b>Safety devices</b>	
Input fuse	-
Output fuse	-
Overload protection	-
MTBF	>380.000 h
<b>Safety data</b>	
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
<b>Applied design specifications</b>	
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
<b>Mechanical data</b>	
Mounting	On rails acc. to DIN 46277

## Insertion loss at 50



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