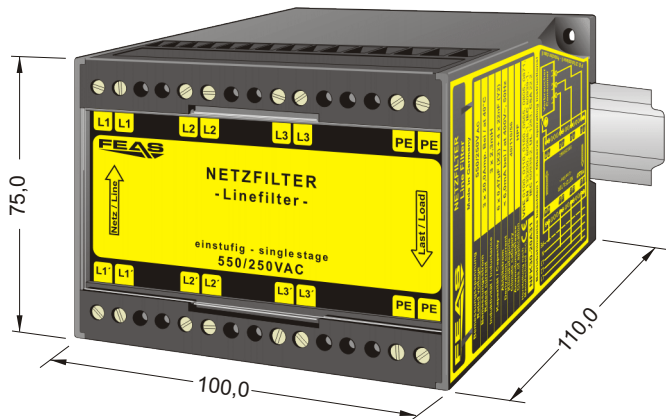


# Radio interference suppression filters

## 3-Lines 1-Stage

### Type NFK30-20A31



**CE** - conform

- High insertion loss over a broad frequency range
- Small enclosure design
- Self-extinguishing polycarbonat housing in acc. to UL94V1
- Suitable for the tropics - Epoxy resin casted
- Safety acc. to VDE, EN, UL, CSA

#### Technical Data

Electrical data	
Rated voltage $U_R$	see table below
Frequency	see table below
Rated current $I_R$	see table below
Overload current	$1,5 \times I_R$ $t < 2$ Min. $3 \times / h$
Inductance $L_R$	see table below
Capacity $C_R$	see table below
Derivation current	$< 6,0$ mA at 400V~, 50Hz
Discharge resistor	$3 \times$ ca. 1M
Operating data	
Duty circle	100%
Operating temperature range	$-40^\circ\text{C}$ to $+85^\circ\text{C}$
Derating	-
Storage temperature range	$-50^\circ\text{C}$ ... $+105^\circ\text{C}$
Cooling	self cooling recommended respective distance 15mm each
Safety devices	
Fuse for input	-
Fuse for output	-
Overload protection	-
MTBF	$>380.000$ h
Safety data	
Test voltage	2,5kV- (Conductor - PE)
Protection class	Class 2 (EN 60950)
Extra low safety potential	-
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP 65
Protective class terminals	IP 20 (VGB4)
Vibration proof	$>30$ g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27
Applied construction regulations	
according to VDE	VDE 0100, 0110, 0113, 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 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
Mechanics	
Mounting	On rails acc. to DIN 46277 or wallmounting with screws

<b>Type</b>	NFK30-20A31
<b>Rated voltage</b>	550/250VAC
<b>Frequency</b>	50 - 60Hz
<b>Rated current</b>	3 x 20,0Amp. at 40°C
<b>Inductance</b>	L1 3x2,3mH
<b>Capacity</b>	6 x 0,47 $\mu$ F(X2) 4 x 22nF(Y2)
<b>Dimensions (W x H x D)</b>	100x75x110
<b>Weight</b>	approx. 1,15kg
<b>Order-No.</b>	51035

