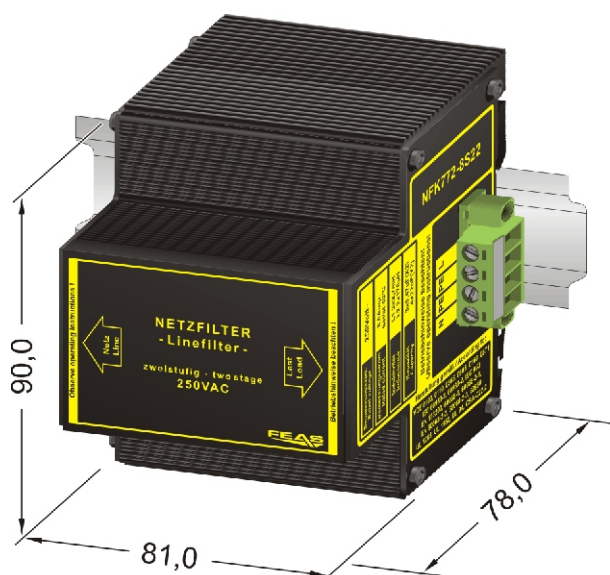


Radio interference suppression filters

2-Lines 2-Stages

Type NFK772-8S22



CE - conform

- ☐ High insertion loss over a broad frequency range
- ☐ Optimised against interferences in the lower frequency response
- ☐ 2-Stage design in order to improve the filtereffect
- ☐ Enclosure optimised for using in distribution-panels
- ☐ 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	$1,5 \times I_R$ $t < 2 \text{ Min.}$ $3 \times / h$
Inductance L_R	see table below
Capacity C_R	see table below
Derivation current	$< 0,75 \text{ mA}$ at 230 V ~, 50 Hz
Discharge resistor	ca. 1 M

Operating data

Duty circle	100%
Operating temperature range	-50°C to $+85^\circ \text{C}$
Derating	-
Storage temperature range	-60°C ... $+105^\circ \text{C}$
Cooling	self cooling
	recommended respective distance 15mm each

Safety devices

Fuse for input	-
Fuse for output	-
Overload protection	-
MTBF	$> 380.000 \text{ h}$

Safety data

Test voltage	$2,5 \text{ kV}$ - (Conductor - PE)
Protection class	Class 1 with PE-Connection (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	$> 30 \text{ g}$ at 33 Hz 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, IEC 60939-2, IEC 60068-2-3
	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
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Type	NFK772-8S22
Rated voltage	250VAC
Frequency	44 - 66Hz
Rated current	8,0Amp. at 40°C
Inductance	L1 $2 \times 2,7 \text{ mH}$ L2 $2 \times 170 \mu \text{H}$
Capacity	$3 \times 0,47 \mu \text{F (X2)}$ $4 \times 22 \text{ nF (Y2)}$
Dimensions (W x H x D)	96x90x78
Wheight	approx. 1,00kg
Order-No.	51091

Insertion loss at 50

