

## EMC filter - NEF 1-10 - 2788977

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Mains interference filter, with universal foot for mounting on NS 32 and NS 35/7.5, nominal current: 10 A

### Why buy this product

- DIN rail module
- For single-phase circuits



### Key commercial data

Packing unit	1
Minimum order quantity	5
Catalog page	Page 233 (TT-2011)
GTIN	 4 017918 072001
Custom tariff number	85363010
Country of origin	GERMANY

### Technical data

#### Standards

Housing material	PA
Inflammability class according to UL 94	V2
Color	black
Standards for air and creepage distances	IEC 60664-1
Standards for air and creepage distances	VDE 0110-1
Degree of protection	IP20
Design	Rail-mountable module, one-piece
Mounting type	DIN rail/G-profile rail
Ambient temperature (operation)	-25 °C ... 100 °C (HMF)
Direction of action	1L-N & N-PE
Width	40 mm
Height	79.4 mm
Depth	84.1 mm

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## Technical data

### Protective circuit

Nominal voltage UN	240 V AC
Max. operating voltage Umax	264 V AC
Arrester rated voltage UC (L-N)	264 V AC
Arrester rated voltage UC (L-PE)	264 V AC
Nominal frequency fN	50 Hz
Nominal frequency fN	60 Hz
Nominal current IN	10 A (40°C)
Operating effective current IC at UC	≤ 0.25 mA
Ground conductor current IPE	≤ 0.5 mA
Inductivity in series	2x 1.8 mH (in acc. with VDE 0565-2 with current compensation)
Capacity (L-N)	2x 470 nF (X2)
Capacity (L-PE)	2x 2.2 nF (Y2)
Max. required back-up fuse	10 A (gL)
Input attenuation aE, sym.	> 80 dB (50 Ω/ 1 MHz)
Input attenuation aE, asym.	> 40 dB (50 Ω/ 1 MHz)

### Non-heating apparatus connection, power supply

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

### Connection, protective circuit

Standards/regulations	IEC 60939-2
Standards/regulations	DIN EN 60939-2

### Protective circuit, filter

Discharge resistor	1 MΩ
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## Classifications

### eclass

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801

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## Classifications

### eclass

eCl@ss 6.0	27130806
eCl@ss 7.0	27130806

### etim

ETIM 2.0	EC000942
ETIM 3.0	EC000942
ETIM 4.0	EC000942
ETIM 5.0	EC000942

### unspsc

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

## Approvals

### Approvals

#### Approvals

UL Recognized / VDE approval of drawings / GOST

#### Ex Approvals

#### Approvals submitted

### Approval details

UL Recognized
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VDE approval of drawings	
mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	250 V

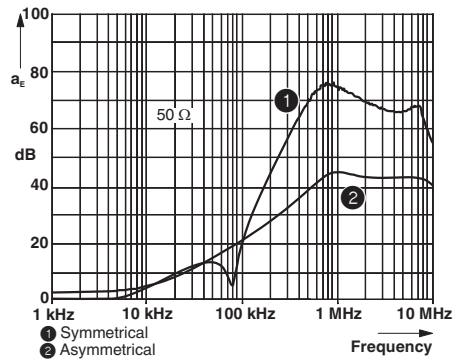
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## Approvals

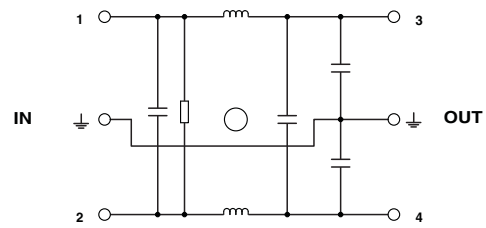


## Drawings

### Diagram



### Circuit diagram



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Dimensioned drawing

