

EMC filter - NEF 1- 6 - 2783082

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Mains interference filter, with universal foot for mounting on NS 32 and NS 35/7.5, nominal current: 6 A

Your advantages

- ✓ Effective high-frequency interference attenuation with current-coupled coils and X and Y capacitors
- ✓ Space-saving and cost-saving with a compact design
- ✓ Versatile in use with universal circuit design



Key Commercial Data

Packing unit	5 pc
GTIN	
GTIN	4017918069803

Technical data

Dimensions

Height	79.4 mm
Width	40 mm
Depth	90.2 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 100 °C (HMF)
Degree of protection	IP20

General

Housing material	PA
Flammability rating according to UL 94	V-2
Color	black
Standards for clearances and creepage distances	VDE 0110-1
Mounting type	DIN rail: 35 mm

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Technical data

General

Type	DIN rail module, one-piece
Number of positions	2
Direction of action	1L-N & N-PE

Protective circuit

Maximum continuous voltage U_c	264 V AC (L-N)
	264 V AC (L-PE)
Nominal frequency f_N	50 Hz (60 Hz)
Rated current	6 A (40 °C)
Operating effective current I_c at U_c	≤ 0.25 mA
Residual current I_{PE}	≤ 0.5 mA
Input attenuation aE, sym.	> 70 dB (50 Ω / 1 MHz)
Input attenuation aE, asym.	> 40 dB (50 Ω / 1 MHz)
Capacity	2x 470 nF (X2)
	2x 2.2 nF (Y2)
Inductivity in series	2x 2.7 mH (with current compensation)
Max. required back-up fuse	6.3 A (gL / C)

Connection data

Connection method	Screw connection
Connection method IN	Screw terminal blocks
Connection method OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Standards and Regulations

Standards/specifications	IEC 60939-2
	EN 60939-2
	IEC 60664-1

Protective circuit, filter

Discharge resistance	1 M Ω
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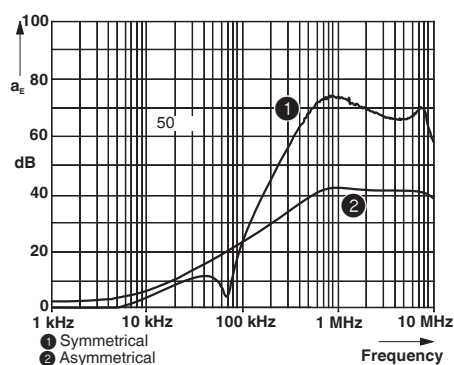
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

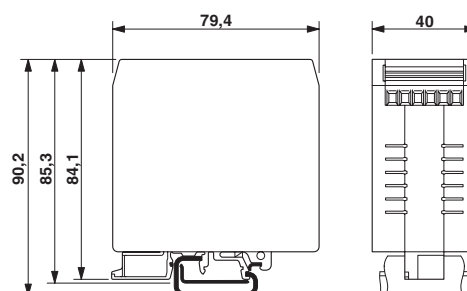
Drawings

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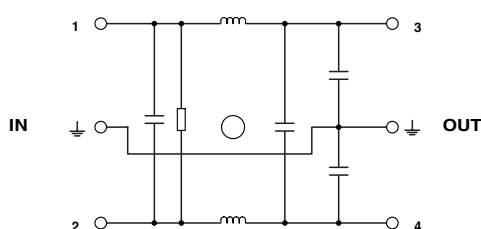
Diagram



Dimensional drawing



Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130806
eCl@ss 11.0	27130806
eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130806
eCl@ss 9.0	27130806

ETIM

ETIM 2.0	EC000942
ETIM 3.0	EC000942
ETIM 4.0	EC000942
ETIM 6.0	EC000942
ETIM 7.0	EC000942

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610

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Classifications

UNSPSC

UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121600

Approvals

Approvals

Approvals

EAC / EAC / DNV GL / VDE Zeichengenehmigung

Ex Approvals

Approval details

EAC		EAC-Zulassung
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EAC		RU C- DE.*09.B.00169
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DNV GL		https://approvalfinder.dnvgl.com/	TAA00002R5
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VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40008521
Nominal voltage UN	250 V		
Nominal current IN	6 A		
mm²/AWG/kcmil	2.5		

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