


NEF 1- 6

Order No.: 2783082

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2783082>

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

Commercial data

GTIN (EAN)	 4 017918 069803
sales group	J050
Pack	5 pcs.
Customs tariff	85363010
Catalog page information	Page 233 (TT-2011)

Product notes

WEEE/RoHS-compliant since:
06/09/2006



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Technical data

Standards

Housing material	PA
Inflammability class acc. to UL 94	V2
Color	black
Standards for air and creepage distances	IEC 60664-1: 1992-10 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	38.30 mm
Height	85.50 mm
Length	79.40 mm

Protective circuit

Nominal voltage U_N	240 V AC
Max. operating voltage U_{max}	264 V AC
Arrester rated voltage U_C (L-N)	264 V AC
Arrester rated voltage U_C (L-PE)	250 V AC
Nominal frequency f_N	50 Hz
	60 Hz
Nominal current I_N	6 A (40°C)
Operating effective current I_C at U_C	≤ 0.25 mA
Ground conductor current I_{PE}	≤ 0.5 mA
Inductivity in series	2x 2.7 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	6.3 A (gL/C)
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 ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²

Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Connection, protective circuit

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

Protective circuit, filter

Discharge resistor	1 MΩ
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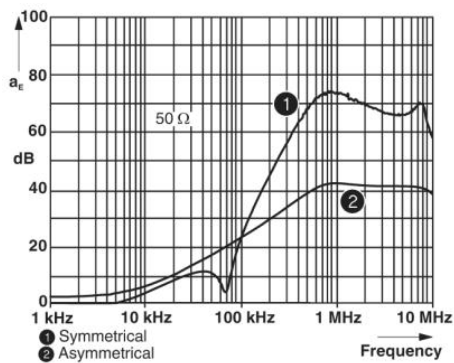
Certificates / Approvals

Certification

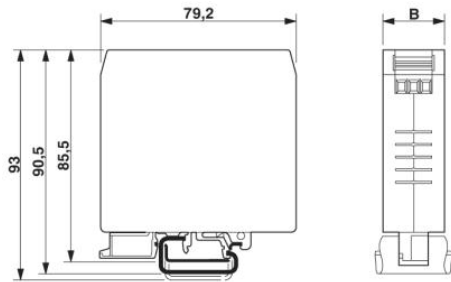
GL, GOST, VDE-PZI

Diagrams/Drawings

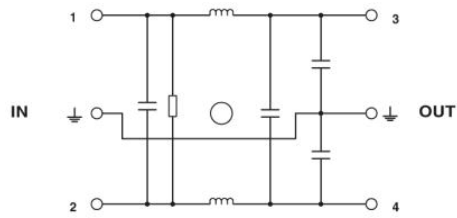
Diagram



Dimensioned drawing



Circuit diagram



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