

# ME-MAX-NEF/QUINT20A - EMC filter



2319919

<https://www.phoenixcontact.com/us/products/2319919>

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Filter for adherence to the EMC category EMC1 in shipbuilding for the QUINT-PS/1AC/24DC/20 power supply

## Commercial data

Item number	2319919
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CM11
Product key	CMPQZ3
GTIN	4046356447454
Weight per piece (including packing)	284.9 g
Weight per piece (excluding packing)	285 g
Customs tariff number	85049090
Country of origin	DE

## Technical data

### Product properties

Product type	EMC filters
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### Insulation characteristics

Protection class	II
Overtoltage category (EN 61010-1)	III ( $\leq 2000$ m)
Degree of pollution	2

### Electrical properties

Number of phases	1
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### Input data

#### AC operation

Input voltage range	100 V AC ... 240 V AC $\pm 10$ %
Frequency range ( $f_N$ )	50 Hz ... 60 Hz $\pm 10$ %
Current consumption	$\leq 7$ A (depending on the power supply)
Recommended breaker for input protection	10 A ... 16 A (Characteristic B, C or comparable)
Voltage drop, input/output	$\leq 0.35$ V AC

### Output data

Nominal output current ( $I_N$ )	20 A
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### Dimensions

#### Item dimensions

Width	35 mm
Height	105 mm
Depth	114 mm
Depth (Device depth (DIN rail mounting))	107 mm (Device depth (DIN rail mounting))

#### Installation dimensions

Installation distance right/left	5 mm / 5 mm
Installation distance top/bottom	20 mm / 50 mm

### Material specifications

Flammability rating according to UL 94	V0
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation)	-25 °C ... 70 °C (Derating $>60$ °C: 2.5 %/K)

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Ambient temperature (storage/transport)	-40 °C ... 85 °C
Maximum altitude	≤ 2000 m
Max. permissible relative humidity (operation)	≤ 95 % (non-condensing)

## Mounting

Mounting type	DIN rail mounting
Mounting position	horizontal DIN rail NS 35, EN 60715

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## Approvals

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**EAC**

Approval ID: RU C-DE.\*09.B.00169

**BSH**

Approval ID: 581

**DNV**

Approval ID: TAA000030X

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## Classifications

### ECLASS

ECLASS-13.0	27420290
ECLASS-15.0	27420202

### ETIM

ETIM 10.0	EC002564
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### UNSPSC

UNSPSC 21.0	39121500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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