

**WAVEFILTER 6A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Simple radio noise suppression in the cabinet thanks to WAVEFILTER**

The WAVEFILTER series eliminates the need for time-consuming bolting processes of mains filters. The filters are snapped onto TS 35 and connected to the device whose noise is to be suppressed. The two-stage, 22.5 mm wide WAVEFILTER, in 1 A, 3 A, 6 A and 10 A versions, offers high attenuation at all voltage levels from 5 V, 12 V, 24 V, 48 V, 60 V, 120 V up to 250 V.

**General ordering data**

Version	WAVESERIES, Surge protection, Surge protection, Attenuation at 100 MHz: 40 dB
Order No.	<a href="#">8614800000</a>
Type	WAVEFILTER 6A
GTIN (EAN)	4032248277094
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	110.5 mm	Depth (inches)	4.35 inch
Height	96.5 mm	Height (inches)	3.799 inch
Width	22.5 mm	Width (inches)	0.886 inch
Net weight	112.12 g		

## Temperatures

Storage temperature	-25 °C...55 °C	Operating temperature	-20 °C...40 °C
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## General data

Colour	black	Design	Wave 22.5 L
Height with TS 35	112.4 mm	Protection degree	IP20
Rail	TS 35	Segment	Power distribution
Version	Surge protection		

## Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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## Rated data IEC / EN

Attenuation at 0.15 MHz	< 0.5 dB	Attenuation at 1 MHz	18 dB
Attenuation at 10 MHz	45 dB	Attenuation at 100 MHz	40 dB
Capacitance	C <sub>x</sub> : 33 nF / C <sub>and</sub> : 22 nF	Fuse	6.3 A
Inductance L and L1	0.8 mH	Leakage current at U <sub>n</sub>	190 µA
Rated current I <sub>N</sub>	6 A	Rated voltage (AC)	250 V
Rated voltage (DC)	250 V	Test voltage P-N	1700 V DC
Test voltage P/N-PE	2000 V AC	Voltage type	AC/DC

## Connection data

Cross-section	2.5 mm <sup>2</sup>	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Clamping range, rated connection	2.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm <sup>2</sup>

## Classifications

ETIM 6.0	EC002623	ETIM 7.0	EC002623
ETIM 8.0	EC002623	ETIM 9.0	EC002623
ECLASS 9.0	27-18-28-14	ECLASS 9.1	27-42-02-08
ECLASS 10.0	27-18-28-14	ECLASS 11.0	27-18-28-14
ECLASS 12.0	27-18-28-14	ECLASS 13.0	27-18-28-14

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (cURus) E64388

**Downloads**

Approval/Certificate/Document of Conformity

[EU Konformitätserklärung / EU Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Operating instructions](#)

Catalogues

[Catalogues in PDF-format](#)

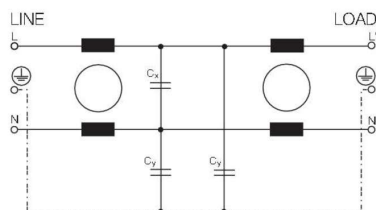
Brochures

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Electric symbol**

Circuit diagram

