

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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 items

## WAVEFILTER 6A

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E64388

## Dimensions and weights

Depth	110.5 mm	Depth (inches)	4.3504 inch
Height	96.5 mm	Height (inches)	3.7992 inch
Width	22.5 mm	Width (inches)	0.8858 inch
Net weight	112.12 g		

## Temperatures

Storage temperature	-25 °C...55 °C	Operating temperature	-20 °C...40 °C
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## Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

## General data

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

## Insulation coordination acc. to EN 50178

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

Leakage current at Un	190 µA	Rated voltage (AC)	250 V
Rated voltage (DC)	250 V	Rated current IN	6 A
Test voltage P-N	1700 V DC	Test voltage P/N-PE	2000 V AC
Voltage type	AC/DC	Fuse protection	6.3 A
Capacitance	Cx: 33 nF / Cand : 22 nF	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	Inductance L and L1	0.8 mH

## 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>

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## Technical data

### Electrical data

Voltage type	AC/DC
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### General data

Protection degree	IP20	Colour	black
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### Classifications

ETIM 8.0	EC002623	ETIM 9.0	EC002623
ETIM 10.0	EC002623	ECLASS 14.0	27-18-28-14
ECLASS 15.0	27-18-28-14		

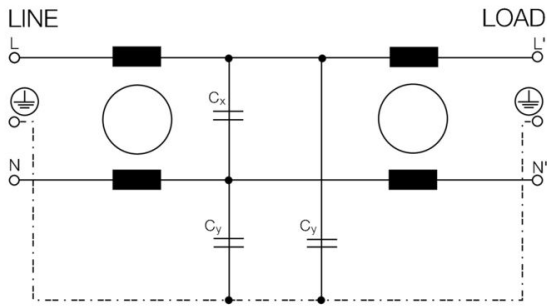
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Drawings

Electric symbol



Circuit diagram

