

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.	8614800000
Type	WAVEFILTER 6A
GTIN (EAN)	4032248277094
Qty.	1 items

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Technical data

Approvals

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

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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		

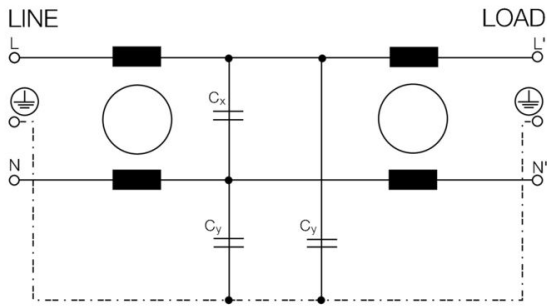
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Drawings

Electric symbol



Circuit diagram

