

## WAVESERIES WAVEFILTER 6A

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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

Available until	2019-03-31
Type	WAVEFILTER 6A
Order No.	<a href="#">8614800000</a>
Version	WAVESERIES, Surge protection, Surge protection, Attenuation at 100 MHz: 40 dB
GTIN (EAN)	4032248277094
Qty.	1 pc(s).

Creation date May 1, 2020 7:13:44 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

**WAVESERIES  
WAVEFILTER 6A**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data**
**Dimensions and weights**

Width	22.5 mm	Width (inches)	0.886 inch
Height	73.4 mm	Height (inches)	2.89 inch
Depth	73.4 mm	Depth (inches)	2.89 inch
Net weight	112.12 g		

**Temperatures**

Operating temperature, max.	40 °C	Operating temperature, min.	-20 °C
Storage temperature, max.	55 °C	Storage temperature, min.	-25 °C
Operating temperature	-20 °C...40 °C	Storage temperature	-25 °C...55 °C

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Rated data UL**

Certificate No. (cURus) E64388

**General data**

Colour	beige	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
--------------------	---	------------------------	-----

**Rated data IEC / EN**

Rated voltage (AC)	250 V	Rated voltage (DC)	250 V
Voltage type	AC/DC	Fuse	6.3 A
Leakage current at $U_n$	190 $\mu$ A	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	$C_x$ : 33 nF / $C_{and}$ : 22 nF
Inductance L and L1	0.8 mH	Rated current $I_N$	6 A
Test voltage P-N	1700 V DC	Test voltage P/N-PE	2000 V AC

**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>

**WAVESERIES  
WAVEFILTER 6A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data**

**Classifications**

ETIM 6.0	EC002623	ETIM 7.0	EC002623
eClass 9.0	27-18-28-14	eClass 9.1	27-42-02-08
eClass 10.0	27-18-28-14	UNSPSC	30-21-18-01

**Approvals**

Approvals



ROHS Conform

**Downloads**

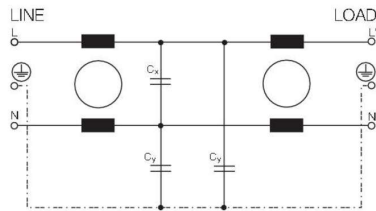
Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 4.4 ELECTR 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">Operating instructions</a>

**WAVESERIES  
WAVEFILTER 6A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Drawings**

**Electric symbol**



Circuit diagram

