

**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 pc(s).

Creation date September 18, 2022 3:53:08 AM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

Depth	73.4 mm	Depth (inches)	2.89 inch
Height	92.4 mm	Height (inches)	3.638 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
---------------------	----------------	-----------------------	----------------

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
------------	----------------

**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**

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	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

**WAVEFILTER 6A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

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	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">Operating instructions</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

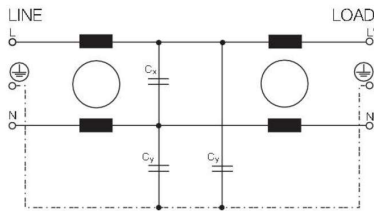
**WAVEFILTER 6A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

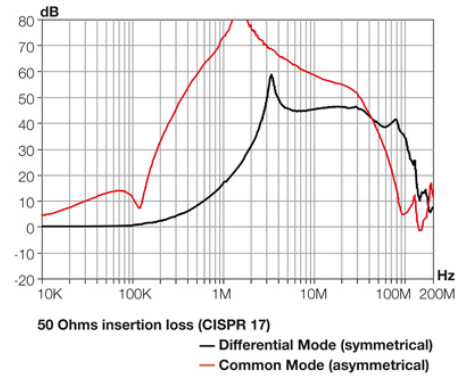
www.weidmueller.com

**Drawings**

**Electric symbol**



Circuit diagram



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Terminal Block Tools & Accessories](#) category:*

*Click to view products by [Weidmuller](#) manufacturer:*

Other Similar products are found below :

[600HL](#) [600RJ-11](#) [600RJ-14](#) [600RJS-10](#) [600RJS-12](#) [600RJS-15](#) [600RJS-21](#) [601RJ-09](#) [602SP](#) [604J](#) [CSTSPC1-2](#) [7B941-7](#) [88943-2100](#)  
[9004230000](#) [9025880000](#) [9102100000](#) [QC102](#) [1437403-6](#) [1437403-9](#) [1437403-8](#) [1453128-1](#) [147832-1](#) [EC0037-000](#) [MT2/H--](#) [MT6/H-N](#)  
[MT6/V-GRND](#) [MT8/H-51-60](#) [BC2-12](#) [BCC-1-8/10](#) [EP2.5/4UN/BG](#) [1735590](#) [1840227](#) [1840230](#) [2-1437402-1](#) [JA2-03](#) [JB1-03/J](#) [JB2-04](#)  
[JB2-05](#) [JB2-07](#) [JB2-09/J](#) [PARALLELJUMPERLINK](#) [JS601](#) [2204082](#) [2302463](#) [2305949](#) [8PCV-BUSHING](#) [8TK2-24](#) [8WA1853](#)  
[9013090000](#) [91.201.1](#)