

WAVEFILTER 10A**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.	8614770000
Type	WAVEFILTER 10A
GTIN (EAN)	4032248277032
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	142.12 g		

Temperatures

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

Protection degree	IP20	Colour	black
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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	70 dB
Attenuation at 10 MHz	52 dB	Attenuation at 100 MHz	40 dB
Capacitance	C _x : 470 nF / C _{and} : 4.7 nF	Fuse	10A
Inductance L and L1	0.8 mH	Leakage current at U _n	190 µA
Rated current I _N	10 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 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

Electrical data

Voltage type	AC/DC
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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
ECLASS 14.0	27-18-28-14		

Environmental Product Compliance

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

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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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Drawings

The diagram illustrates a transmission line model. On the left, the 'LINE' is connected to terminals L and N. A voltage source V is connected between L and N. A load resistor R_L is connected between L' and N'. The line is represented by a series of capacitors C_T and C_Y . A central node is connected to ground through a capacitor C_Y . The line is terminated at the right end by a load resistor R_L connected between L' and N'.

50 Ohms insertion loss (CISPR 17)

- Differential Mode (symmetrical)
- Common Mode (asymmetrical)