

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 |
|---------------------|----------------|-----------------------|----------------|

General data

| | | | |
|-------------------|------|--------|-------|
| Protection degree | IP20 | Colour | black |
|-------------------|------|--------|-------|

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 | 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 |
|--------------|-------|

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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Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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Data sheet**WAVEFILTER 10A**

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Technical data**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 | |

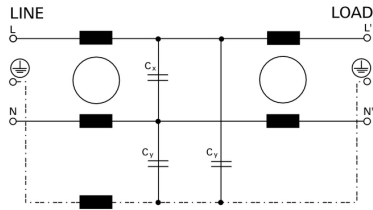
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Drawings

Electric symbol



Circuit diagram

