

## AC Filter for PCB Mounting Cots Optimized

Standard- or Medical-Filter

**Description**

- Chassis:  
PCB Mounting, from top
- Line filter in standard and medical version, 1-stage, standard attenuation
- For PCB-mounting or quick connect terminals
- Excellent price/performance ratio

**Approvals**

- VDE Certificate Number: 40004673
- UL File Number: E72928

**Characteristics**

- Cost-saving plastic housing
- Designed for standard applications
- Protection against interference voltage from the mains  
Possible interferences generated in the equipment are strongly attenuated
- For standard applications
- Suitable for use in equipment according to IEC 60950

**Other versions on request**

- Version with wire connection
- Medical version M80

**References**

Alternative: Standard version

**Weblinks**

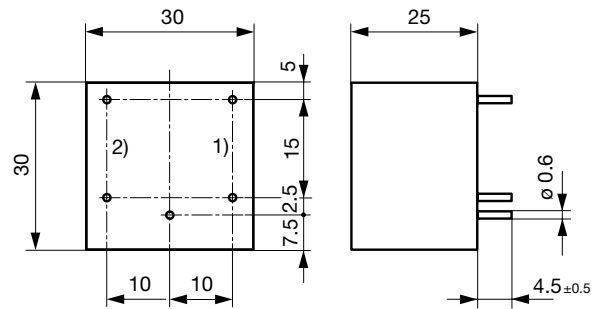
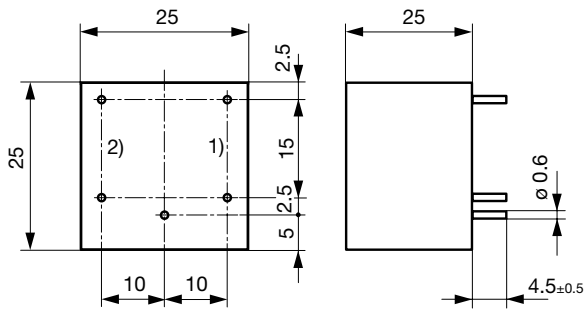
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Mounting instruction](#), [Detailed request for product](#)

**Technical Data**

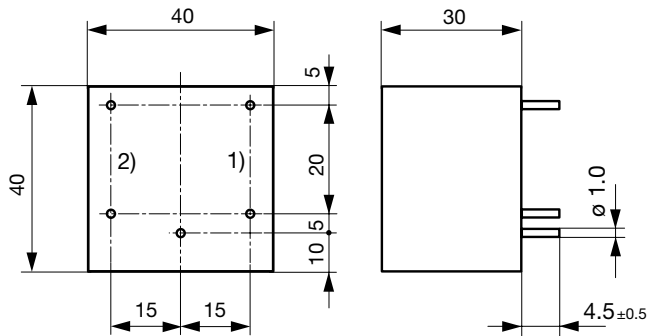
|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Ratings IEC               | 0.6 - 6 A @ Ta 40 °C / 250 VAC; 50 Hz                                       |
| Ratings UL/CSA            | 0.6 - 6 A @ Ta 40 °C / 125 VAC; 60 Hz                                       |
| Leakage Current           | standard < 0.25 mA (250 V / 60 Hz)<br>medical < 5 µA (250 V / 60 Hz)        |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec) |
| Allowable Operation Temp. | -25 °C to 85 °C                                                             |
| Climatic Category         | 25/085/21 acc. to IEC 60068-1                                               |
| Protection Class          | Suitable for appliances with protection class I acc. to IEC 61140           |
| Terminal                  | For PCB mounting, tin-plated                                                |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                              |

|             |                                                                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Line Filter | Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8<br><a href="#">Technical Details</a> |
| MTBF        | > 200'000h acc. to MIL-HB-217 F                                                                                                         |

## Case 18P



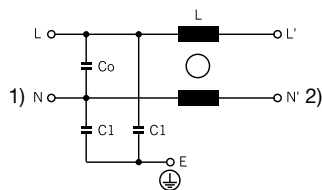
Case 24P



- 1) Line
- 2) Load

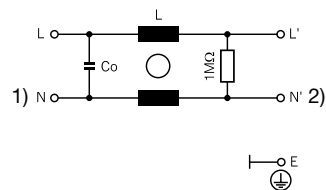
## Diagrams

## S1 standard version



- 1) Line
- 2) Load

S2 medical version



- 1) Line
- 2) Load



## Variants

| Rated Current [A] | Filter-Type          | L [mH]  | Co / C2 (X2) [μF] | C1 (Y2) [nF] | Diagram | Weight [g] | Housing | Order Number |
|-------------------|----------------------|---------|-------------------|--------------|---------|------------|---------|--------------|
| 0.6               | Standard Version     | 2 x 40  | 0.015             | 2.2          | S1      | -          | 13P     | 5500.2000    |
| 1                 | Standard Version     | 2 x 10  | 0.015             | 2.2          | S1      | -          | 13P     | 5500.2001    |
| 2                 | Standard Version     | 2 x 4   | 0.015             | 2.2          | S1      | -          | 13P     | 5500.2002    |
| 4                 | Standard Version     | 2 x 1.5 | 0.015             | 2.2          | S1      | -          | 13P     | 5500.2003    |
| 6                 | Standard Version     | 2 x 0.8 | 0.015             | 2.2          | S1      | -          | 13P     | 5500.2004    |
| 0.7               | Standard Version     | 2 x 40  | 0.015             | 2.2          | S1      | -          | 18P     | 5500.2005    |
| 1                 | Standard Version     | 2 x 20  | 0.022             | 2.2          | S1      | -          | 18P     | 5500.2006    |
| 2                 | Standard Version     | 2 x 6   | 0.022             | 2.2          | S1      | -          | 18P     | 5500.2007    |
| 3                 | Standard Version     | 2 x 3   | 0.022             | 2.2          | S1      | -          | 18P     | 5500.2008    |
| 1                 | Standard Version     | 2 x 30  | 0.047             | 2.2          | S1      | -          | 24P     | 5500.2009    |
| 3                 | Standard Version     | 2 x 4   | 0.047             | 2.2          | S1      | -          | 24P     | 5500.2010    |
| 0.6               | Medical Version (M5) | 2 x 40  | 0.015             | -            | S2      | -          | 13P     | 5500.2116    |
| 1                 | Medical Version (M5) | 2 x 10  | 0.015             | -            | S2      | -          | 13P     | 5500.2117    |
| 2                 | Medical Version (M5) | 2 x 4   | 0.015             | -            | S2      | -          | 13P     | 5500.2118    |
| 4                 | Medical Version (M5) | 2 x 1.5 | 0.015             | -            | S2      | -          | 13P     | 5500.2119    |
| 6                 | Medical Version (M5) | 2 x 0.8 | 0.015             | -            | S2      | -          | 13P     | 5500.2120    |
| 0.7               | Medical Version (M5) | 2 x 40  | 0.015             | -            | S2      | -          | 18P     | 5500.2121    |
| 1                 | Medical Version (M5) | 2 x 20  | 0.022             | -            | S2      | -          | 18P     | 5500.2122    |
| 2                 | Medical Version (M5) | 2 x 6   | 0.022             | -            | S2      | -          | 18P     | 5500.2123    |
| 3                 | Medical Version (M5) | 2 x 3   | 0.022             | -            | S2      | -          | 18P     | 5500.2124    |
| 1                 | Medical Version (M5) | 2 x 30  | 0.047             | -            | S2      | -          | 24P     | 5500.2125    |
| 3                 | Medical Version (M5) | 2 x 4   | 0.047             | -            | S2      | -          | 24P     | 5500.2126    |

Packaging unit 50 Pcs