

With fuseholder 5x20 mm/6.3x32 mm, voltage sel. (series-parallel)



### Description

- Panel mount :  
Screw-on mounting from front side
- 5 Functions :  
Appliance Inlet , Line switch for bowdencable actuation , Fuseholder with interchangeable fuse drawer for Fuse-links 5x20 mm or 6.3x32 mm , Voltage Selector (series-parallel) , Line filter in standard and medical version
- Quick connect terminals 4.8 x 0.8 mm

See below:

### Approvals and Compliances

### Characteristics

- All single elements are already partially wired
- For added safety "Extra-Safe" fuse drawers are available
- Suitable for use in equipment according to IEC/UL 60950
- Suitable for use in medical equipment according to IEC/UL 60601-1

### References

Alternative: version without line filter [KG-Bowdencable](#)  
 Alternative: Standard version  
 Last order date: 30.06.2017  
 Last delivery date: 30.09.2017

### Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

### Technical Data

|                                 |   |                                   |  |
|---------------------------------|---|-----------------------------------|--|
| Ratings IEC                     | 1 - 6A @ Ta 40 °C / 250VAC; 50Hz  | appliance inlet/-outlet           | C14 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I |
| Ratings UL/CSA                  | 1 - 8A @ Ta 40 °C / 250VAC; 60Hz  | Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 or 6.3 x 32 mm                          |
| Leakage Current                 | standard < 0.5 mA (250 V / 60Hz)<br>medical < 5 µA (250 V / 60 Hz)          | Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2.5W (1 pole)/ 2W (2-pole) per pole<br>6.3 x 32: 3.15W (1 pole)/ 2.5W (2-pole) per pole                        |
| Dielectric Strength             | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec) | Power Acceptance @ Ta > 23°C      | Admissible power acceptance at higher ambient temperature see derating curves  |
| Allowable Operation Temperature | -25 °C to 85 °C   | Line Switch                       | Switch for bowdencable 2-pole, non-illuminated, acc. to IEC 61058-1<br><a href="#">Technical Details</a>               |
| Climatic Category               | 25/085/21 acc. to IEC 60068-1   | Voltage Selector                  | series-parallel, 4, 3 or 2 switch positions or usable as 2-pole change-over switch                                     |
| IP-Protection                   | from front side IP40 acc. to IEC 60529                                      | Line Filter                       | Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8<br><a href="#">Technical Details</a>                 |
| Protection Class                | Suitable for appliances with protection class I acc. to IEC 61140           | MTBF                              | > 1'100'000h acc. to MIL-HB-217 F  |
| Terminal                        | Quick connect terminals 4.8 x 0.8 mm  |                                   |  |
| Panel Thickness S               | Screw: max 8 mm<br>Mounting screw torque max 0.5Nm                          |                                   |  |
| Material: Housing               | Thermoplastic, black, UL 94V-0  |                                   |  |

### Approvals and Compliances



Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

## Approvals









The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: CG

| Approval Logo  | Certificates  | Certification Body | Description                               |
|--|---------------|--------------------|---|
|  | VDE Approvals | VDE                | Certificate Number: 40004665 (FKSA, FKSB) |
|  | UL Approvals  | UL                 | UL File Number: E72928 (FKSA, FKSB)       |



## Product standards

Product standards that are referenced

| Organization   | Design                | Standard         | Description   |
|--|-----------------------|------------------|---|
|  | Designed according to | IEC 60320-1      | Appliance couplers for household and similar general purposes         |
|  | Designed according to | IEC 60939        | Passive filters for suppressing electromagnetic interference          |
|  | Designed according to | IEC 60127-6      | Miniature fuses. Part 6. Fuse-holders for miniature fuse-links        |
|  | Designed according to | IEC 61058-1      | Switches for appliances. Part 1. General requirements                 |
|  | Designed according to | UL 498           | Standard for Attachment Plugs and Receptacles                         |
|  | Designed according to | UL 1283          | Electromagnetic interference filters                                  |
|  | Designed according to | CSA C22.2 no. 42 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices |
|  | Designed according to | CSA C22.2 no. 8  | Electromagnetic interference (EMI) filters                            |






## Application standards

Application standards where the product can be used

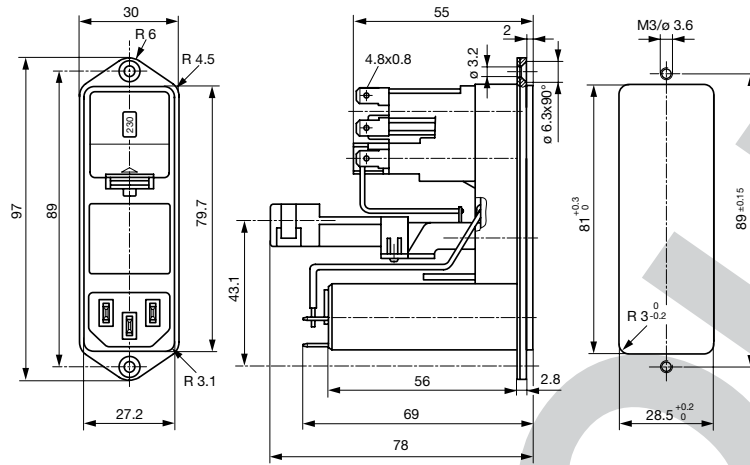
| Organization   | Design                         | Standard     | Description  |
|--|--------------------------------|--------------|--|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment.        |
|  | Designed for applications acc. | IEC 60601-1  | Medical electrical equipment - Part 1: General requirements for basic safety and essential performance |

## Compliances

The product complies with following Guide Lines

| Identification   | Details                      | Initiator   | Description   |
|--|------------------------------|-------------|---|
|  | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
|  | RoHS                         | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/836  |
|  | China RoHS                   | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.  |
|  | REACH                        | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.                               |
|  | Medical Technology           | SCHURTER AG | Suitable for use in medical equipment according to IEC/UL 60601-1   |

**Dimension [mm]**  
 CG bowden cable



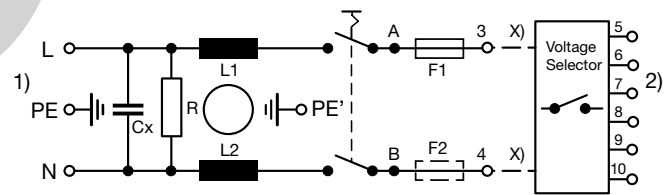
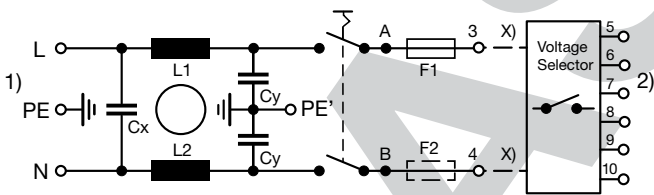
**Technical Data of Filter-Components**

| Rated Current [A] | Filter-Type          | Inductances L [mH] | Capacitance CX [nF] | Capacitance CY [nF] | R [MΩ] |
|-------------------|----------------------|--------------------|---------------------|---------------------|--------|
| 1                 | Standard Version     | 2 x 10             | 68                  | 2.2                 | -      |
| 2                 | Standard Version     | 2 x 4              | 68                  | 2.2                 | -      |
| 4                 | Standard Version     | 2 x 1.5            | 68                  | 2.2                 | -      |
| 6                 | Standard Version     | 2 x 0.8            | 68                  | 2.2                 | -      |
| 1                 | Medical Version (M5) | 2 x 10             | 68                  | -                   | 1      |
| 2                 | Medical Version (M5) | 2 x 4              | 68                  | -                   | 1      |
| 4                 | Medical Version (M5) | 2 x 1.5            | 68                  | -                   | 1      |
| 6                 | Medical Version (M5) | 2 x 0.8            | 68                  | -                   | 1      |

**Diagrams**

Standard version  
 with fuseholder 1- or 2-pole

Medical version (M5)  
 with 2-pole fuseholder



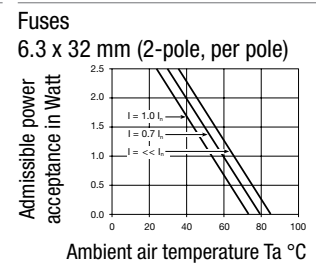
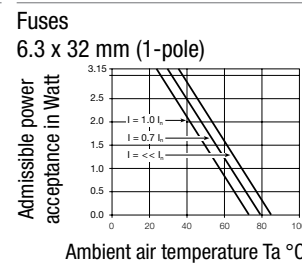
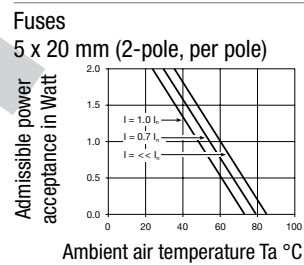
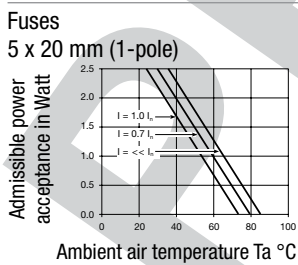
x) external connection to be made by the customer

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- 1) Line
- 2) Load

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- 2) Load

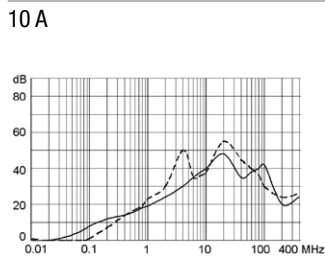
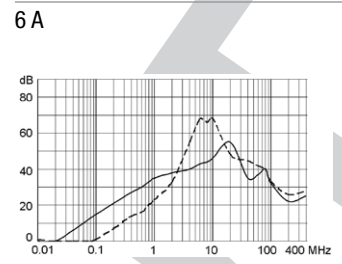
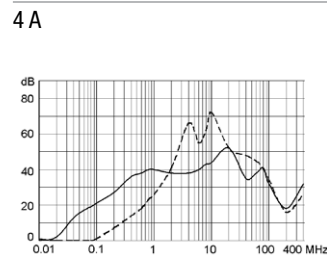
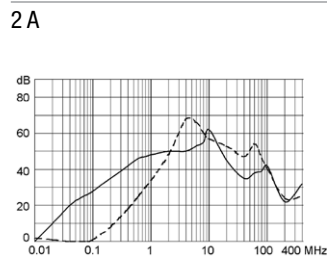
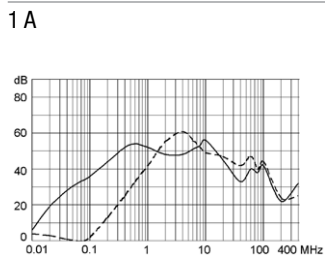
**Derating Curves**



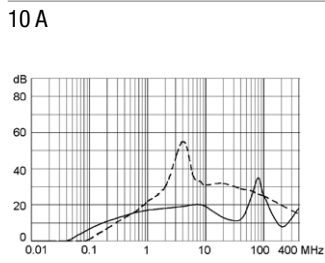
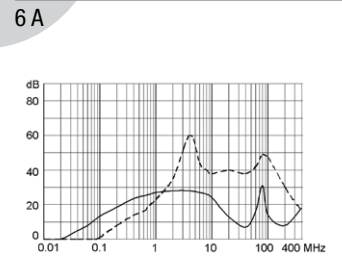
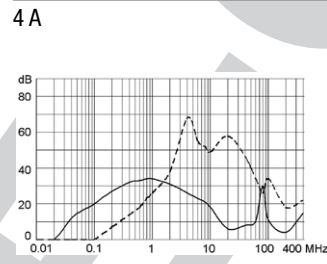
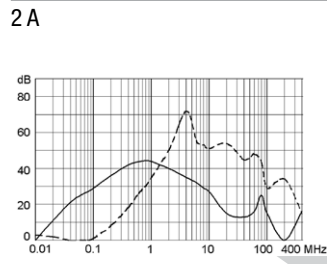
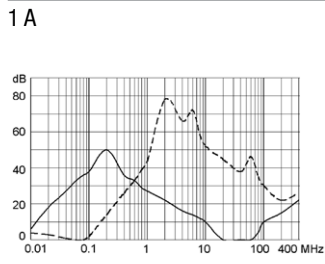
**Attenuation Loss**

Standard version

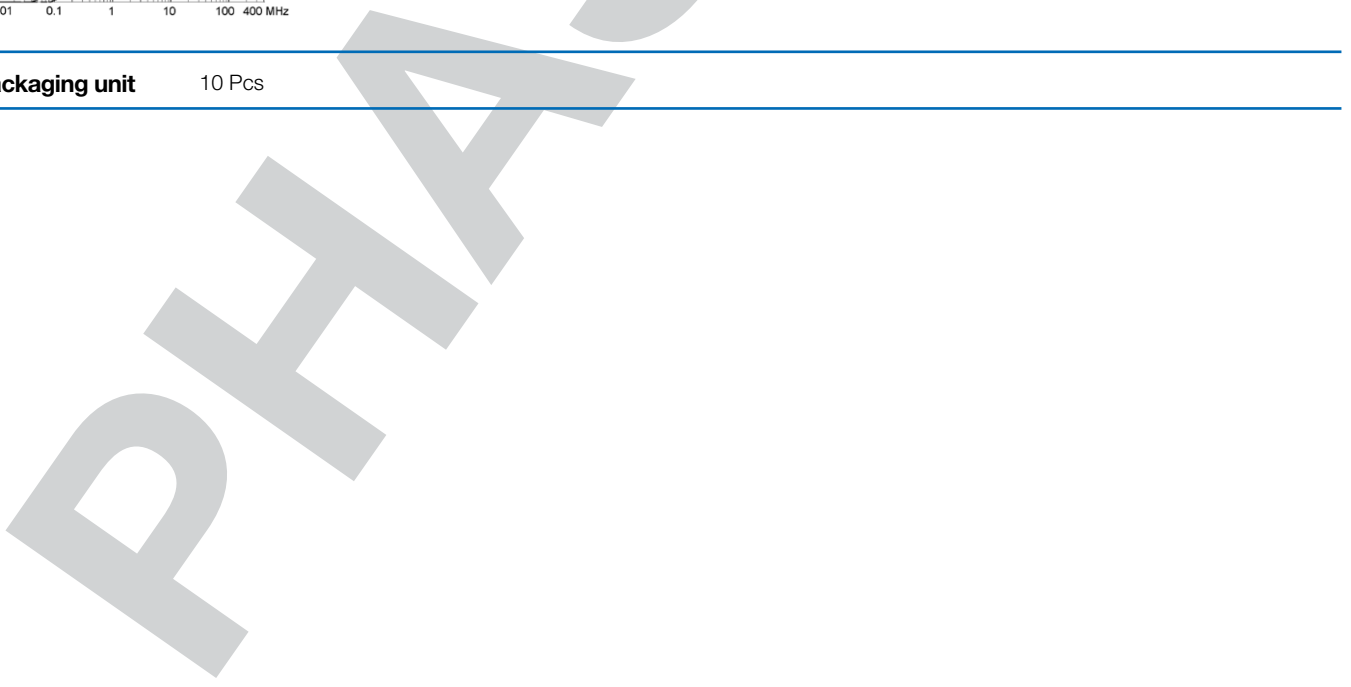
--- 50Ω differential mode    \_\_\_ 50Ω common mode



Medical version (M5)



Packaging unit    10 Pcs



Required Accessory

Description



**Fusedrawer 1**  
 Fusedrawer for Fuse Links 5x20 mm resp. 6.3x32 mm



**Jumper Wire 1**  
 Connection with Stranded Cable



**Voltage Selectors Insert 1**  
 Voltage Selector Insert to KE, CE, KG, CG

Accessories



**Cord retaining kits**  
 Cord retaining strain relief

Mating Outlets/Connectors

Category / Description

[Appliance Outlet Overview complete](#)



|   |      |
|---|------|
| 4787, Mounting: Screw-on mounting, Appliance Outlet: IEC Solder terminals, 10 A, Suitable for appliances with protection class I                          | 4787 |
| 4788, Mounting: Snap-in version, Appliance Outlet: IEC Solder terminals or quick connect terminals, 10 A, Suitable for appliances with protection class I | 4788 |
| IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal   | 5091 |

[Appliance Outlet further types to CG-Bowdencable](#)

[Connector Overview complete](#)



|  |         |
|--|---------|
| 4022 Mounting: Power Supply Cord, 3 x 1.5 mm <sup>2</sup> , Screw clamps, Connector: IEC C13 | 4022    |
| 4782 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13     | 4782    |
| 4012 Mounting: Power Supply Cord, 3 x 1 mm <sup>2</sup> , Screw clamps, Connector: IEC C13   | 4012    |
| 4785 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13     | 4785    |
| 4300-06 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13  | 4300-06 |

[Connector further types to CG-Bowdencable](#)