

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole (5x20 mm or 6.3x32 mm), Line Switch 1- or 2-pole, Voltage Selector (Series-Parallel)



Approvals and Compliances

Description

- Panel Mount :
Screw-on mounting from front side
- 5 Functions :
Appliance Inlet , Line Switch , 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

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](#)
Alternative: Standard version

Weblinks

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

Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Technical Data

| | |
|---------------------------------|---|
| Ratings IEC | 1 - 10A @ Ta 40 °C / 250VAC; 50Hz |
| Ratings UL/CSA | 1 - 10A @ Ta 40 °C / 125VAC; 60Hz |
| Leakage Current | standard < 0.5mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz) |
| Dielectric Strength | > 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec) |
| Allowable Operation Temperature | -25 °C to 85 °C |
| Climatic Category | 25/085/21 acc. to IEC 60068-1 |
| IP-Protection | from front side IP 40 acc. to IEC 60529 |
| Protection Class | Suitable for appliances with protection class I acc. to IEC 61140 |
| Terminal | Quick connect terminals 4.8 x 0.8 mm |
| Panel Thickness S | Screw: max 8 mm Mounting screw torque max 0.5Nm |
| Material: Housing | Thermoplastic, black, UL 94V-0 |

| | |
|-----------------------------------|--|
| 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 |
| 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 |
| Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2.5W (1 pole)/ 2W (2-pole) per pole 6.3 x 32: 3.15W (1 pole)/ 2.5W (2-pole) per pole |
| Power Acceptance @ Ta > 23°C | Admissible power acceptance at higher ambient temperature see derating curves |
| Line Switch | 2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details |
| Voltage Selector | series-parallel, 4, 3 or 2 switch positions or usable as 2-pole change-over switch |
| Line Filter | Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details |
| MTBF | > 1'100'000 h acc. to MIL-HB-217 F |



Approvals and Compliances

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

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 |
|  | Designed for applications acc. | IEC 60335-1 | Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-12 and -13. |

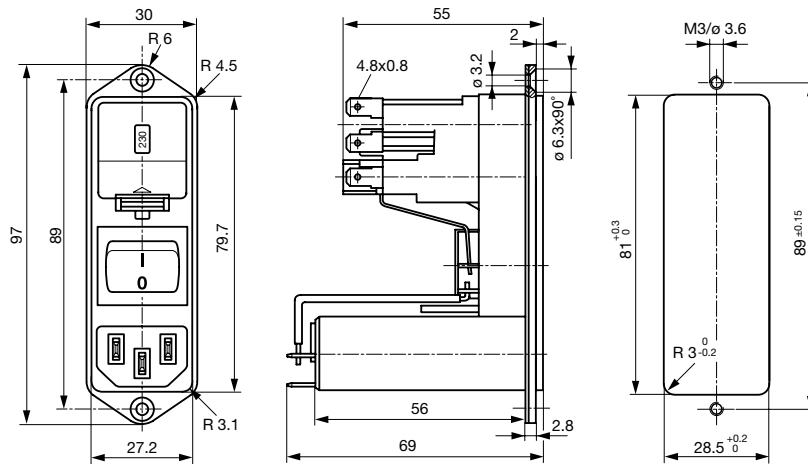
Compliances

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 | EU Directive RoHS 2011/65/EU |
|  | 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. |
|  | MicrositeV-Lock | SCHURTER AG | V-Lock system are based on a matching plug-dose combination. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset. |
|  | Medical Equipment | SCHURTER AG | Suitable for use in medical equipment according to IEC/UL 60601-1 |

Dimension [mm]

CG

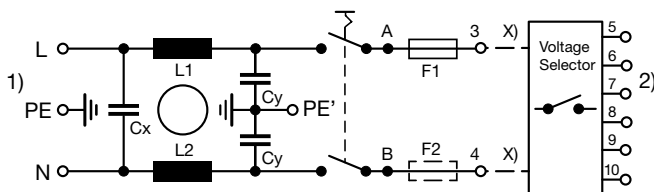


Technical Data of Filter-Components

| 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 | - |
| 10 | Standard Version | 2 x 0.3 | 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 |
| 10 | Medical Version (M5) | 2 x 0.3 | 68 | - | 1 |

Diagrams

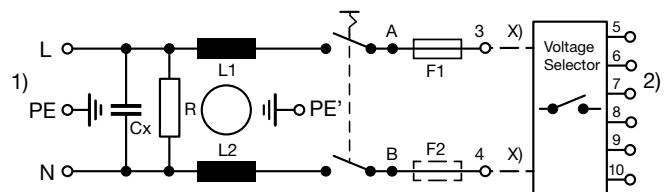
Standard version
with fuseholder 1- or 2-pole



x) external connection to be made by the customer

- 1) Line
2) Load

Medical version (M5)
with fuseholder 2-pole



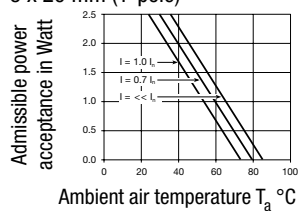
x) external connection to be made by the customer

- 1) Line
2) Load

Derating Curves

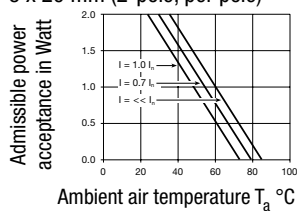
Fuses

5 x 20 mm (1-pole)



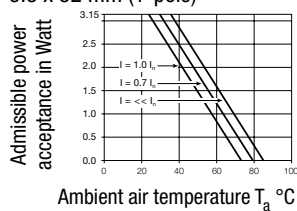
Fuses

5 x 20 mm (2-pole, per pole)



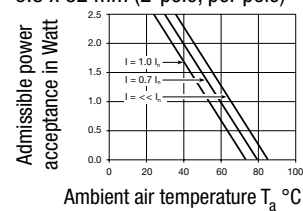
Fuses

6.3 x 32 mm (1-pole)



Fuses

6.3 x 32 mm (2-pole, per pole)

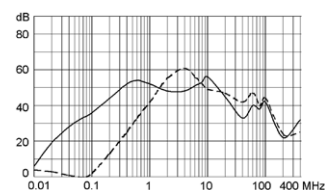


Attenuation Loss

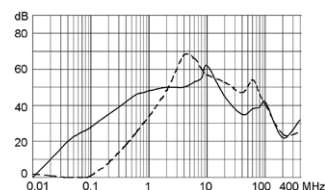
Standard version

- - - 50Ω differential mode ____ 50Ω common mode

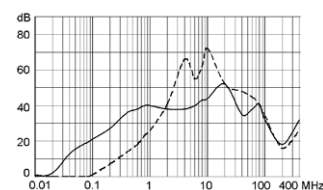
1 A



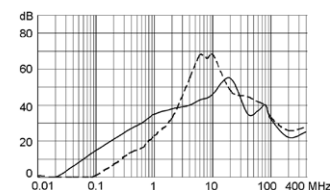
2 A



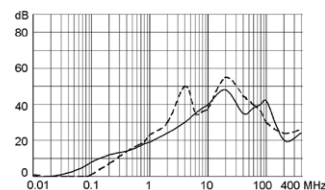
4 A



6 A

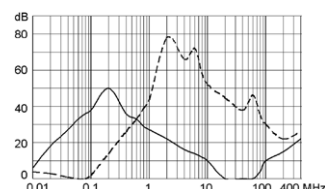


10 A

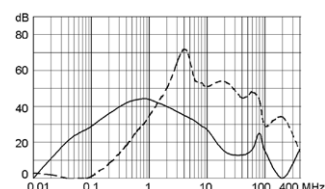


Medical version (M5)

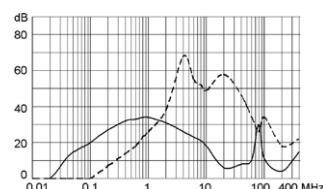
1 A



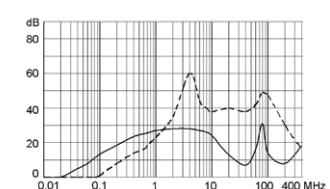
2 A



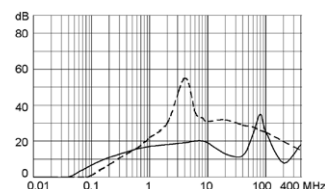
4 A



6 A



10 A



All Variants

| Type | Rated Current [A] | Filter-Type | Fuseholder | Line Switch | Line Switch | Order Number |
|------|-------------------|------------------|------------|-------------|-------------|---------------|
| CG | 1 | Standard Version | 1-pole | 2-pole | - | CG16.5101.151 |
| CG | 2 | Standard Version | 1-pole | 2-pole | - | CG26.5101.151 |
| CG | 4 | Standard Version | 1-pole | 2-pole | - | CG36.5101.151 |
| CG | 6 | Standard Version | 1-pole | 2-pole | - | CG46.5101.151 |

| Type | Rated Current [A] | Filter-Type | Fuseholder | Line Switch | Line Switch | Order Number |
|------|-------------------|----------------------|------------|-------------|-------------|---------------|
| CG | 10 | Standard Version | 1-pole | 2-pole | - | CG66.6101.151 |
| CG | 1 | Standard Version | 2-pole | 2-pole | - | CG10.6101.151 |
| CG | 2 | Standard Version | 2-pole | 2-pole | - | CG20.6101.151 |
| CG | 4 | Standard Version | 2-pole | 2-pole | - | CG30.6101.151 |
| CG | 6 | Standard Version | 2-pole | 2-pole | - | CG40.6101.151 |
| CG | 10 | Standard Version | 2-pole | 2-pole | - | CG60.6101.151 |
| CG | 1 | Medical Version (M5) | 2-pole | 2-pole | - | CGG0.6101.151 |
| CG | 2 | Medical Version (M5) | 2-pole | 2-pole | - | CGA0.6101.151 |
| CG | 4 | Medical Version (M5) | 2-pole | 2-pole | - | CGC0.6101.151 |
| CG | 6 | Medical Version (M5) | 2-pole | 2-pole | - | CGE0.6101.151 |
| CG | 10 | Medical Version (M5) | 2-pole | 2-pole | - | CGL0.6101.151 |

Most Popular.

Availability for all products can be searched real-time: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Suffix ".21" corresponds to the version with V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Packaging unit 5 Pcs

Required Accessory

Description

Fusedrawer 1

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



| | |
|------------------|-----------|
| 5 x 20, 2-pole | 4305.0001 |
| 5 x 20, 1-pole | 4305.0006 |
| 6.3 x 32, 2-pole | 4305.0011 |
| 6.3 x 32, 1-pole | 4305.0016 |

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Jumper Wire 1

Connection with Stranded Cable



| | |
|----------------|-----------|
| Type A, 70 mm | 0881.0074 |
| Type A, 100 mm | 0881.0075 |
| Type B, 70 mm | 0881.0076 |
| Type B, 100 mm | 0881.0077 |

Voltage Selectors Insert 1



Voltage Selector Insert to KE, CE, KG, CG



| | |
|--|--------------|
| 3 or 4 switch positions | 4305.0048.00 |
| 1, 3 or 4 switch positions, 100, 120, 220, 240 | 4305.0048.01 |
| 3, 3 or 4 switch positions, 130, 110, 240, 220 | 4305.0048.02 |
| 2, 2 switch positions, 110, 220 | 4305.0048.03 |



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Accessories


| | | |
|--|------------------------------|-----------|
|  | Assorted Covers | |
| | Rear Cover | 0859.0109 |
|  | Cord retaining kits | |
| | Cord retaining strain relief | |
| | Flat head, A | 4700.0001 |

Mating Outlets/Connectors

Category / Description

| | | |
|---|---|---------|
|  | Appliance Outlet Overview complete | |
| | IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder Terminal | 4787 |
| | IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal | 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 | |
|  | Connector Overview complete | |
| | 4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4782 |
| | 4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13 | 4022 |
| | 4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4785 |
| | 4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4300-06 |
| | 4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13 | 4012 |
| | Connector further types to CG | ... |

Mating Outlets/Connectors shuttered

| | | |
|---|---|---------|
|  | Power Cord Overview complete | |
| | VAC13KS, Overview, diverse Connector IEC C13, cord end: | VAC13KS |
| | Power Cord further types to CG | |

Mouser Electronics

Authorized Distributor

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Schurter:

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[CGL0.6101.151](#) [CG20.6101.151](#) [4320.0112](#) [CG16.5101.151](#) [CG26.5101.151](#) [CG30.6198.151](#) [CG36.5101.151](#)
[CG40.6199.151/TF](#) [CG46.5101.151](#) [CG66.5101.151](#) [CGA0.6101.151](#) [CGG0.6101.151](#)