IEC Appliance Inlet C14 with Line Switch 2-pole, Fuseholder 1- or 2-pole

C14

70° C

See below:
**Approvals and Compliances**

## Description
- Panel mount :
  Screw-on from front side
- 3 Functions :
  Appliance Inlet Protection class I , Line Switch 2-pole , Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole
- Quick connect terminals 4.8 x 0.8 mm

## Unique Selling Proposition
- V-Lock notch standard
- Meets the requirements of IEC 60335-1 for appliances in unattended use
- Includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 &-13
- Minimal installation height

## Characteristics
- Ultra-compact design. Ideal for low profile designs
- All single elements are already wired
- Fuse drawer not enclosed, it must be ordered separately (see required accessories)
- Ideal for application with high transient loads
- Suitable for use in equipment according to IEC/UL 62368-1

## Other versions on request
- Solder terminals
- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Other rocker marking
- Line switch 1-pole
- Protection class II, 70°C

## References
Alternative: version with line filter   DD12;   DD14
Alternative: version for snap-in mounting   KM
Alternative: version for PCB mounting   DD21

## Weblinks
pdf data sheet, html datasheet, General Product Information, Approvals, Distributor-Stock-Check, Accessories, Detailed request for product

## Technical Data

| | | | |
|---|---|---|---|
| Ratings IEC | 10 A / 250 VAC; 50 Hz | Appliance inlet/-outlet | C14 acc. to IEC 60320-1 UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I |
| Ratings UL/CSA | 10 A / 250 VAC; 60 Hz | | |
| Dielectric Strength | > 2.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50 Hz) | Fuseholder | 1-/2-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm |
| Allowable Operation Temperature | -25 °C to 85 °C | Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole |
| IP-Protection | front side IP40 acc. to IEC 60529 | Power Acceptance @ Ta > 23°C | Admissible power acceptance at higher ambient temperature see derating curves |
| Protection against electric shock | Suitable for appliances with protection class I acc. to IEC 61140 | Line Switch | Rocker switch 2-pole, non-illuminated or illuminated, acc. to IEC 61058-1 Technical Details |
| Terminal | Quick connect terminals 4.8 x 0.8 mm | | |
| Panel Thickness S | Screw-on mounting: max 8 mm Mounting screw torque max 0.5 Nm | | |
| 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: DD11

| Approval Logo | Certificates | Certification Body | Description |
|---|---|---|---|
| | VDE Approvals | VDE | Certificate Number: 40046933 |
| | UL Approvals | UL | UL File Number: E93617 |

## Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed according to | IEC 60320-1 | Appliance couplers for household and similar general purposes |
| IEC | Designed according to | IEC 60127-6 | Miniature fuses. Part 6. Fuse-holders for miniature fuse-links |
| IEC | Designed according to | IEC 61058-1 | Switches for appliances. Part 1. General requirements |
| UL | Designed according to | UL 60320-1 | Standard for Attachment Plugs and Receptacles |
| CSA Group | Designed according to | CSA C22.2 no. 60320-1 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices |

## Application standards

Application standards where the product can be used

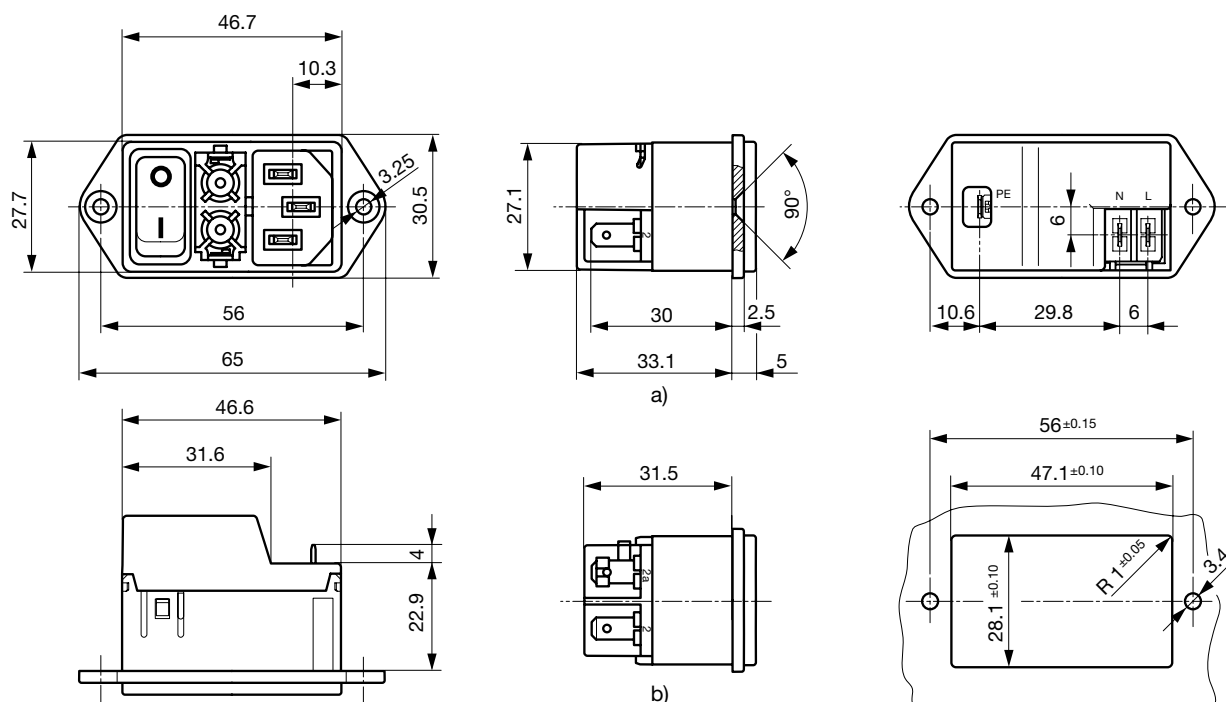| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed for applications acc. | IEC/UL 62368-1 | IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment. |
| IEC | Designed for applications acc. | IEC 60601-1 | Medical electrical equipment - Part 1: General requirements for basic safety and essential performance |
| IEC | 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 60695-2-11 or -12 & -13. |

## Compliances

The product complies with following Guide Lines

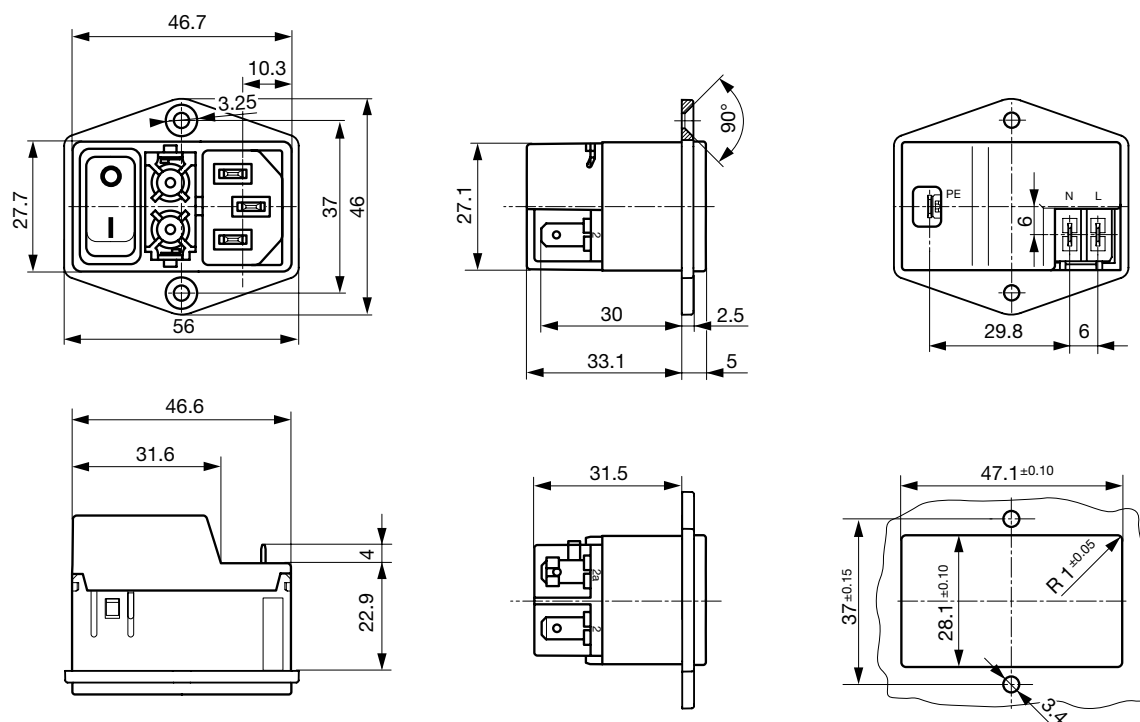| Identification | Details | Initiator | Description |
|---|---|---|---|
| CE | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
| RoHS COMPLIANT | RoHS | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
| | 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 | 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. |
| V-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. |
| | White Paper Glow wire test | SCHURTER AG | Meets the requirements of IEC 60335-1 for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 &-13. |
| | Medical Equipment | SCHURTER AG | Suitable for use in medical equipment according to IEC/UL 60601-1 |

## Dimensions [mm]

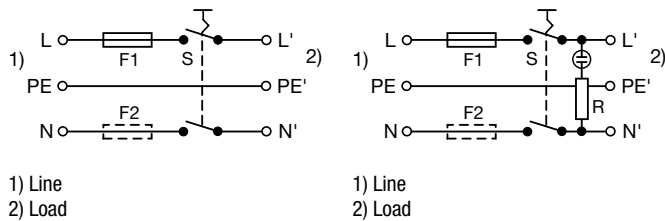Screw version A

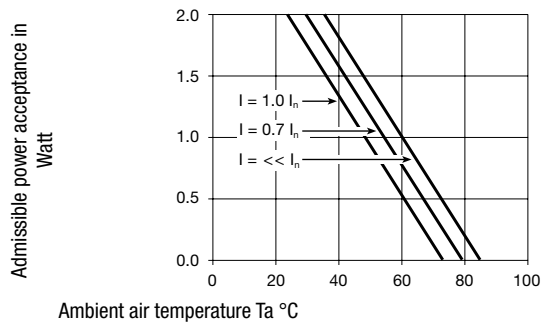a) view with cover
b) view without cover

Screw version B

## Diagrams

non-illuminated

illuminated

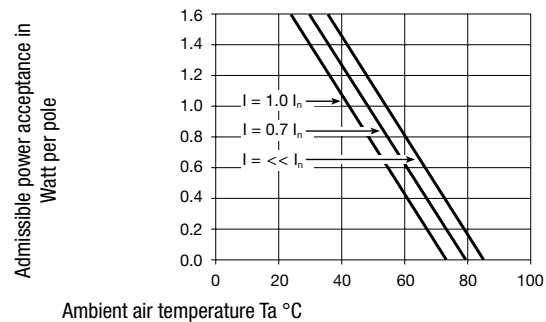

1) Line
2) Load

1) Line
2) Load

## Derating Curves

1-pole



2-pole



## All Variants

| Fuseholder | Line Switch | Illumination | Color | Cover | V-Lock | Mounting | Order Number | |
|---|---|---|---|---|---|---|---|---|
| 1-pole | 2-pole | non-illuminated | - | | ● | A | DD11.0111.1110 | ▮ |
| 1-pole | 2-pole | illuminated | red | | ● | A | DD11.0113.1110 | ▮ |
| 1-pole | 2-pole | illuminated | green | | ● | A | DD11.0114.1110 | ▮ |
| 1-pole | 2-pole | illuminated | green | | ● | B | 3-131-462 | ▮ |
| 2-pole | 2-pole | non-illuminated | - | | ● | A | DD11.0121.1110 | ▮ |
| 2-pole | 2-pole | non-illuminated | - | | ● | B | 3-131-464 | ▮ |
| 2-pole | 2-pole | illuminated | red | | ● | A | DD11.0123.1110 | ▮ |
| 2-pole | 2-pole | illuminated | green | | ● | A | DD11.0124.1110 | ▮ |
| 1-pole | 2-pole | non-illuminated | - | ● | ● | A | DD11.0111.1111 | ▮ |
| 1-pole | 2-pole | non-illuminated | - | ● | ● | B | 3-131-451 | ▮ |
| 1-pole | 2-pole | illuminated | red | ● | ● | A | DD11.0113.1111 | ▮ |
| 1-pole | 2-pole | illuminated | green | ● | ● | A | DD11.0114.1111 | ▮ |
| 1-pole | 2-pole | illuminated | green | ● | ● | B | 3-131-463 | ▮ |
| 2-pole | 2-pole | non-illuminated | - | ● | ● | A | DD11.0121.1111 | ▮ |
| 2-pole | 2-pole | non-illuminated | - | ● | ● | B | 3-131-465 | ▮ |
| 2-pole | 2-pole | illuminated | red | ● | ● | A | DD11.0123.1111 | ▮ |
| 2-pole | 2-pole | illuminated | green | ● | ● | A | DD11.0124.1111 | ▮ |
| 2-pole | 2-pole | illuminated | green | ● | ● | B | 3-131-466 | ▮ |

▮ Most Popular.

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

| **Packaging unit** | 50 Pcs |
|---|---|

## Required Accessory

**Description**

**Fusedrawer 2**
Fusedrawer für Fuse Links 5x20 mm, with or without Voltage Selector Insert

| | |
|---|---|
| Fingergrip, 2-pole | 4301.1401 |
| Extra-Safe, 2-pole | 4301.1403 |
| Fingergrip, 1-pole | 4301.1405 |
| Extra-Safe, 1-pole | 4301.1407 |
| | ... |

## Accessories

**Wire Harness**
Wire harness for SCHURTER products

**RC320**
Rear Cover for Power Entry Module

**Cord retaining kits**
Cord retaining strain relief

| | |
|---|---|
| Flat head, A | 4700.0001 |

## 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 / Quick Connect, 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 |

**Connector Overview complete**

| | |
|---|---|
| 4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4782 |
| 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 |
| 4781 Mounting: Power Cord, Cable, Connector: IEC C15 | 4781 |
| 4784 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C15 | 4784 |
| | ... |

## Mating Outlets/Connectors shuttered

Connector Overview complete

| | |
|---|---|
| 4783 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4783 |

Power Cord Overview complete

| | |
|---|---|
| VAC13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black | VAC13KS |
| VAC17KS, V-Lock cord retaining, diverse m, Connector IEC C17, diverse, black / grey / white | VAC17KS |

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