

## IEC Appliance Inlet C14 or C18 with Fuseholder 2-pole, Line Switch 1- or 2-pole



Order required accessories separately

Snap-in version



IEC connector C14 or C18  
with EMC shielding  
Snap-in mounting from front side



See below:  
[Approvals and Compliances](#)

### Description

- Panel mount :  
Snap-in version from front side
- 3 Functions :  
Appliance Inlet protection class I or II , Line Switch 2-pole , Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole
- 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.
- Quick connect terminals 4.8 x 0.8 mm
- With cover on rear-side

### Characteristics

- Ultra-compact design. Small dimensions in front of and behind the panel
- All single elements are already wired
- For added safety "Extra-Safe" fuse drawers are available
- Ideal for application with high transient loads
- Suitable for use in equipment according to IEC/UL 62368-1

### Other versions on request

- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Line switch 1-pole
- Other rocker marking

### References

Alternative: version with line filter [KMF](#)  
Alternative: version for screw mounting [DD11](#)

### Weblinks

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

### Technical Data

|                                   |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| Ratings IEC                       | 10A / 250VAC; 50Hz                                                      |
| Ratings UL/CSA                    | 10A / 250VAC; 60Hz                                                      |
| Dielectric Strength               | > 2.5 kVAC between L-N<br>> 3 kVAC between L/N-PE<br>(1 min/50 Hz)      |
| Allowable Operation Temperature   | -25 °C to 70 °C                                                         |
| IP-Protection                     | from front side IP40 acc. to IEC 60529                                  |
| Protection against electric shock | Suitable for appliances with protection class I or II acc. to IEC 61140 |
| Terminal                          | Quick connect terminals 4.8 x 0.8 mm , tin-plated                       |
| Panel Thickness S                 | Snap-in: 1/1.5/2/2.5 mm<br>(all steps with one variant)                 |
| Material: Housing                 | Thermoplastic, black, UL 94V-0                                          |

|                                   |                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appliance inlet/-outlet           | C14 / C18 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 or II                          |
| Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, UL 498, for fuse-links 5 x 20mm                                                                             |
| Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2W (1 pole)/ 1.6W (2-pole) per pole<br>Choose fuse-links for 2-pole version in such a way that the typical power acceptance is less than 1.4 W for each pole |
| Power Acceptance @ Ta > 23°C      | Admissible power acceptance at higher ambient temperature see derating curves                                                                                        |
| Line Switch                       | Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1<br><a href="#">Technical Details</a>                                                                      |

### 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: KM

| Approval Logo                                                                    | Certificates                  | Certification Body | Description                                                |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|------------------------------------------------------------|
|  | <a href="#">VDE Approvals</a> | VDE                | Certificate Number: 40046933                               |
|  | <a href="#">UL Approvals</a>  | UL                 | UL File Number: E93617                                     |
|  | <a href="#">CCC Approvals</a> | CCC                | CCC Certificate Number: 2007010204227778, 2015180204000107 |

## 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 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 60320-1            | Standard for Attachment Plugs and Receptacles                         |
|  | 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                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------|--------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 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.                                                                                                         |
|  | 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 60695-2-11 or -12 & -13. |

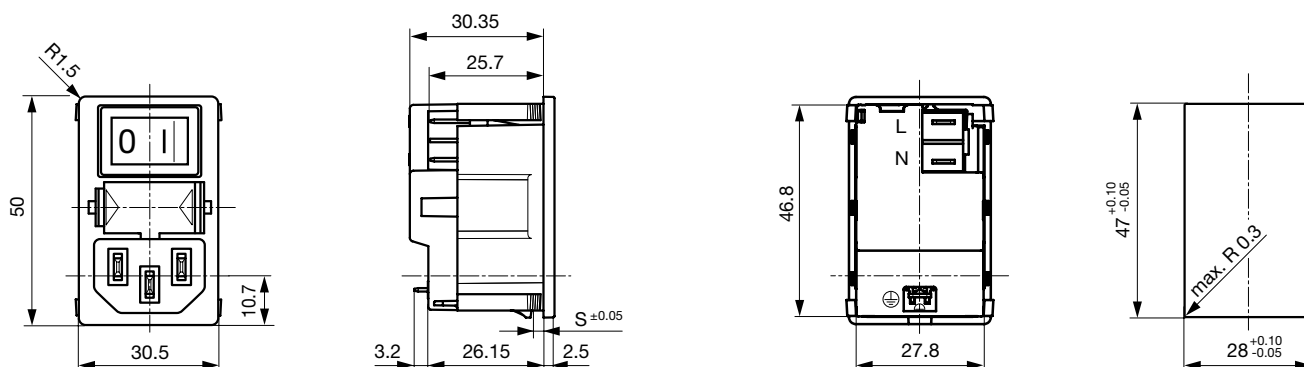
## Compliances

The product complies with following Guide Lines

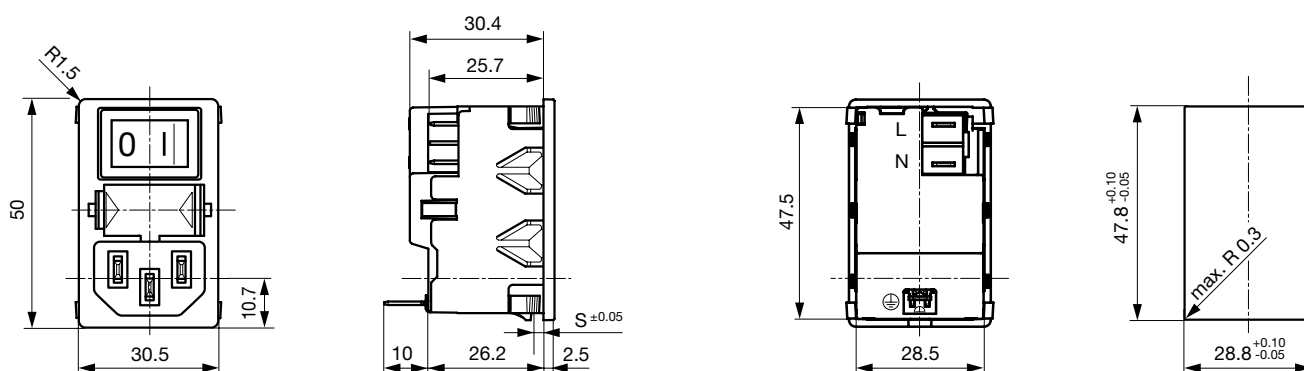
| Identification                                                                     | Details                                      | Initiator   | Description                                                                                                                                                                                           |
|------------------------------------------------------------------------------------|----------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CE declaration of conformity</a> | 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. |
|  | <a href="#">RoHS</a>                         | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863                                                                                                                                                    |
|  | <a href="#">China RoHS</a>                   | 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.                                                                                  |
|  | <a href="#">REACH</a>                        | 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.                               |
|  | <a href="#">White Paper Glow wire test</a>   | 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.                               |
|  | <a href="#">Medical Technology</a>           | SCHURTER AG | Suitable for use in medical equipment according to IEC/UL 60601-1                                                                                                                                     |

## Dimensions [mm]

KM without shield

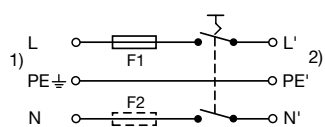


KM with shield



## Diagrams

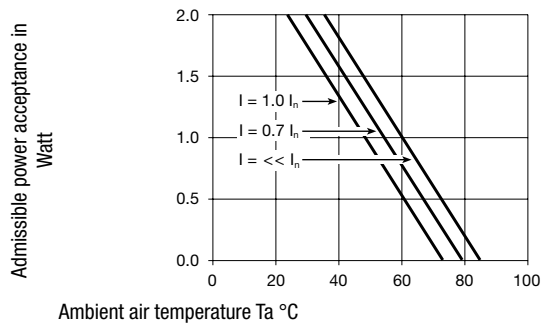
with shield



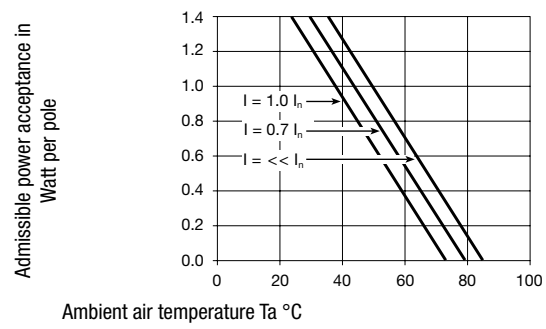
- 1) Line
- 2) Load

## Derating Curves

1-pole



2-pole



## All Variants

| Protection Class | Fuseholder | Line Switch | EMC-Shielding                           | Order Number |
|------------------|------------|-------------|-----------------------------------------|--------------|
| I                | 1-pole     | 2-pole      | -                                       | KM00.1205.11 |
| I                | 2-pole     | 2-pole      | -                                       | KM00.1105.11 |
| II               | 2-pole     | 2-pole      | -                                       | KM00.2105.11 |
| I                | 1-pole     | 2-pole      | With EMC-shield and without line filter | KM01.1205.11 |
| I                | 2-pole     | 2-pole      | With EMC-shield and without line filter | KM01.1105.11 |

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



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 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 KM](#)

Connector Overview complete



|                                                                                             |         |
|---------------------------------------------------------------------------------------------|---------|
| 4782 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13    | 4782    |
| 4785 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13    | 4785    |
| 4012 Mounting: Power Supply Cord, 3 x 1 mm <sup>2</sup> , Screw clamps, Connector: IEC C13  | 4012    |
| 4300-06 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13 | 4300-06 |
| 4781 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C15    | 4781    |

[Connector further types to KM](#) ...

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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