

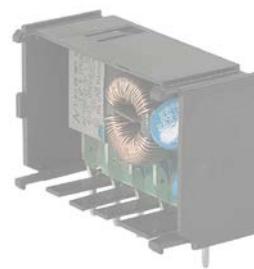
IEC Appliance Inlet C14 with Appliance Outlet F



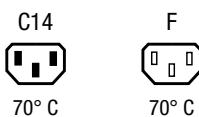
Screw-on mounting



Snap-in version  
from rear side  
PCB



KPF Filter Module  
(not enclosed)



See below:  
**Approvals and Compliances**

#### Description

- Panel mount :  
Sandwich/rear-side
- 2 Functions :  
Appliance Inlet Protection class I , Connector Protection class I
- For PCB mounting

#### Characteristics

- Panel mount from rear or "sandwich" between top and bottom/side to side panels
- PCB mount with snap-in or screw-on feet (self tapping screws Ø 3 x 8 mm)
- All single elements are already wired
- Insulation cover on the rear-side
- Suitable for use in equipment according to IEC/UL 62368-1

#### Other versions on request

- Solder terminals
- Quick-connect terminals
- For protection class II

#### References

Alternative: version with line filter [KPF](#)

#### 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	15A / 250VAC; 60Hz
Dielectric Strength	> 2.3kVAC between L-N > 2.8kVAC between L/N-PE (1 min/50Hz)
Allowable Operation Temperature	-25 °C to 70 °C
IP-Protection	front side IP40 acc. to IEC 60529
Protection against electric shock	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	For PCB mounting Quick connect terminals 4.8 x 0.8 mm Solder terminal on request
Panel Thickness S	Snap-in: 1.5/2/2.5/3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance inlet/-outlet

C14 and F acc. to IEC 60320-3  
UL 60320-1, CSA C22.2 no. 60320-1  
(for cold conditions) pin-temperature 70 °C, 10A, Protection Class I

#### 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: KP01

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40029368
	UL Approvals	UL	UR File Number: E96454
	CCC Approvals	CCC	CCC Certificate Number: 2019180204009568

**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 60320-3	Appliance couplers for household and similar general purposes
	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

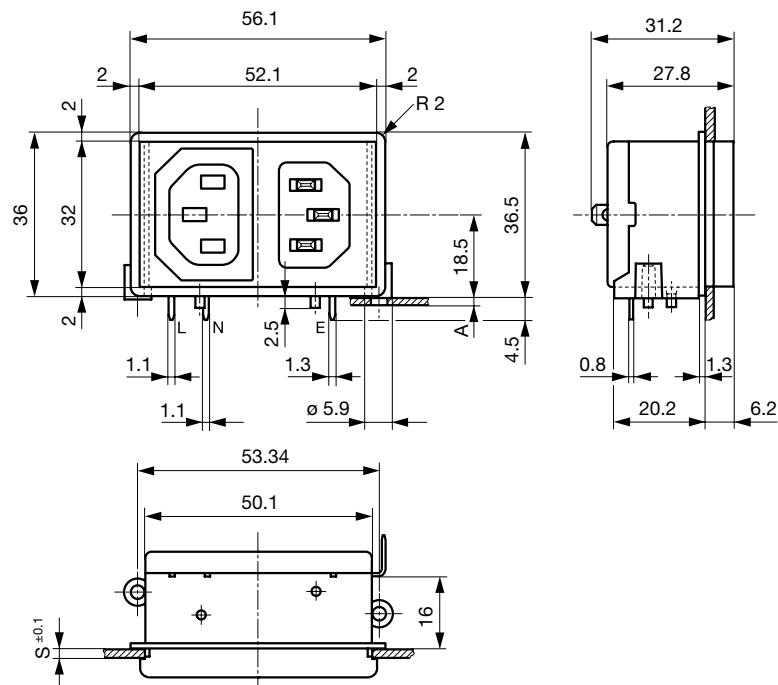
Organization	Design	Standard	Description
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

**Compliances**

The product complies with following Guide Lines

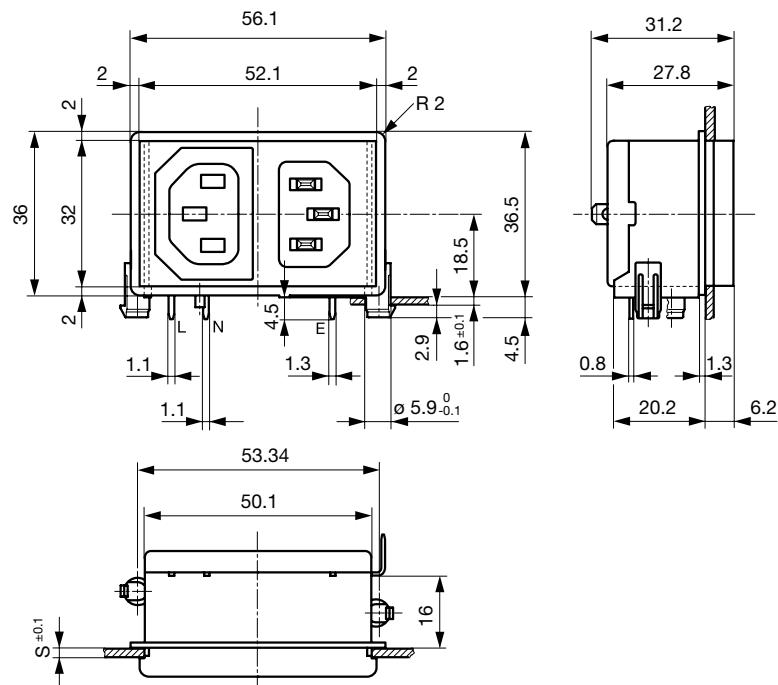
Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
	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	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.

**Dimensions [mm]**  
 Screw-on mounting



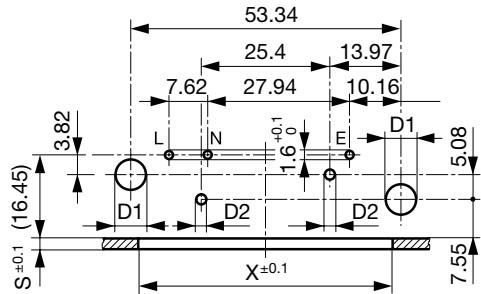
A = for PCB-thickness 1.2/1.6/2.0/2.4 mm  
 Additional quick connect terminal 4.8 x 0.8 mm

**Snap-in mounting**

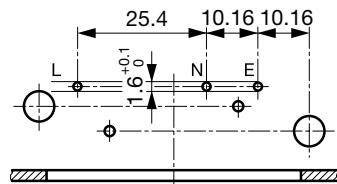


Additional quick connect terminal 4.8 x 0.8 mm  
 s = panel thickness

For 2-pole inlet/switch, 2-pole inlet  
 fuseholder and inlet/outlet



For combinations  
 Inlet/switch 1-pole, inlet/fuseholder 1-pole



$d_1 = 6 \pm 0.05$  für (snap-in)

$d_1 = 3.6$  (screw-on)

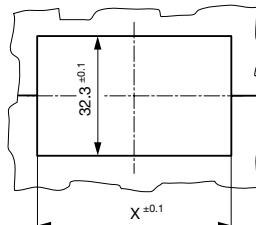
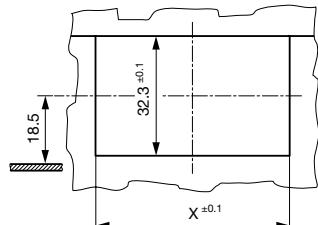
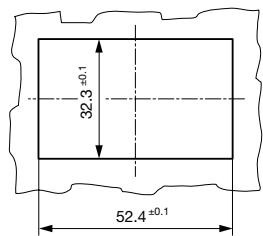
$d_2 = 2.1 + 0.1/-0$  (screw-on)

Dimensions without tolerance:  $\leq 15 = \pm 0.05, \geq 15 = \pm 0.1$

Mounting holes for backside mounting      Sandwich mounting holes

S and X see mounting holes

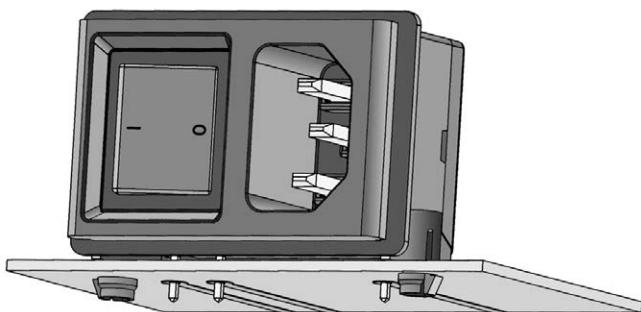
Sandwich mounting holes



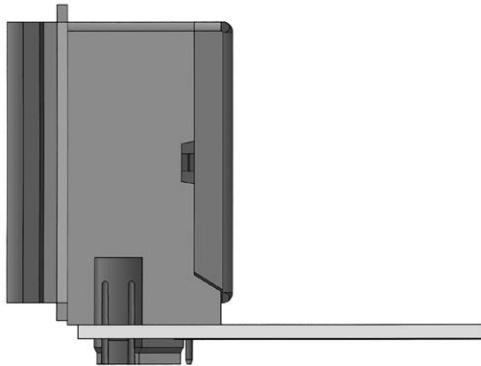
$X = 48.4$  at  $S = 1.5$  and  $2.5$   
 $X = 50.4$  at  $S = 2.0$  and  $3.0$

$X = 48.4$  at  $S = 1.5$  and  $2.5$   
 $X = 50.4$  at  $S = 2.0$  and  $3.0$

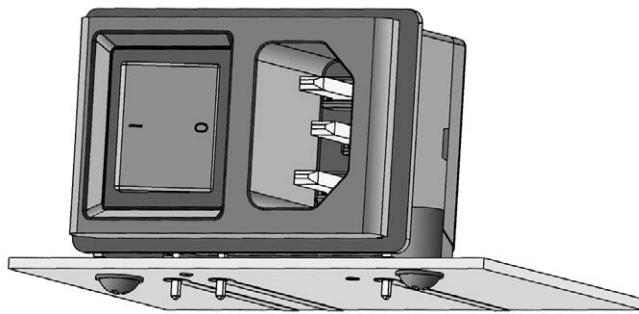
## Assembly Instructions



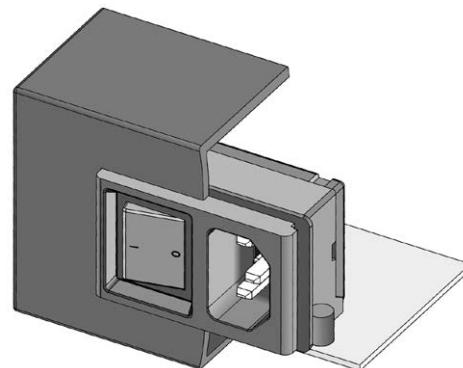
Stable snap feet requires minimal insertion force



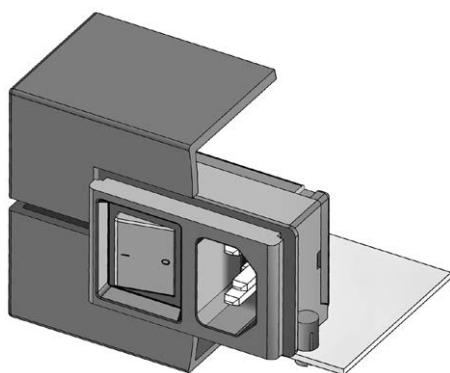
Module must lay flat on the PCB when soldering



Screw-on mount  
uses self-tapping screws

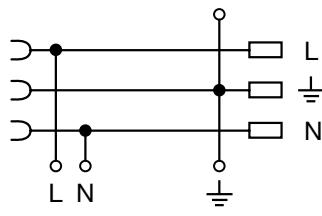


Insertion from behind



"Sandwich" mounting with split enclosure panels

## Diagrams



Inlet with outlet

## All Variants

Panel mounting	Panel Thickness s [mm]	PCB [mm]	Line Switch	Fuseholder	Connector	V-Lock	Order Number
Snap-in	2	1.6	-	-	F		KP01.1012.01
Snap-in	3	1.6	-	-	F		KP01.1013.01
Screw	2	1.2/1.6/2.0/2.4	-	-	F		KP01.1052.01
Screw	3	1.2/1.6/2.0/2.4	-	-	F		KP01.1053.01

Availability for all products can be searched real-time: <https://www.schurter.com/en/info-center/support-tools/stock-check-distributors>

Type KP without cover: KP01.XXXX.XX90

Ground Terminal with solder pin: KP01.XXXX.X3XX

**Packaging unit** 50 Pcs

## Mating Inlets/Plugs



## Category / Description

## Plug Overview complete

4732, Mounting: Power Cord, Plug: IEC E, Cable	4732
4735, Mounting: Power Cord, Plug: IEC E, Cable	4735
9009, Mounting: Plug: IEC E, Screw clamps	9009
4733, Mounting: Power Cord, Plug: IEC E, Cable	4733
4736, Mounting: Power Cord, Plug: IEC E, Cable	4736

...

## Mating Outlets/Connectors



## 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 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
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, Cable, Connector: IEC C15	4781
4784 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C15	4784