IEC Appliance Inlet C14 with Appliance Outlet F
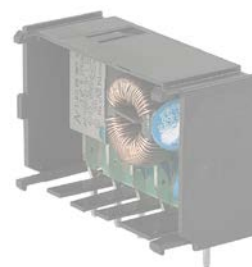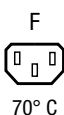
Screw-on mounting

Snap-in version
from rear side
PCB

KPF Filter Module
(not enclosed)

C14   F

70° C   70° C

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	10 A / 250 VAC; 50 Hz
Ratings UL/CSA	15 A / 250 VAC; 60 Hz
Dielectric Strength	> 2.3 kVAC between L-N > 2.8 kVAC between L/N-PE (1 min/50 Hz)
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
IEC	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
IEC	Designed according to	IEC 60320-3	Appliance couplers for household and similar general purposes
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

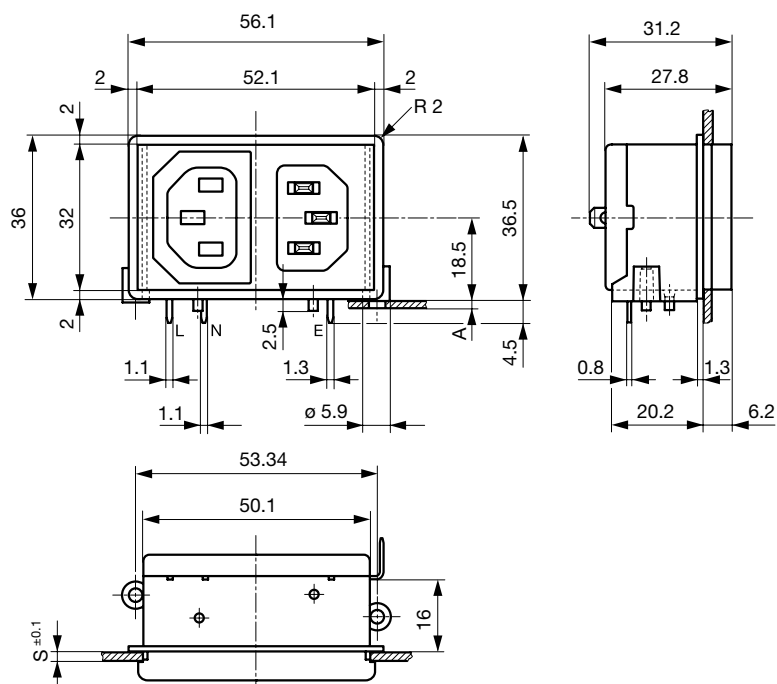| Organization	Design	Standard	Description
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

Compliances

The product complies with following Guide Lines

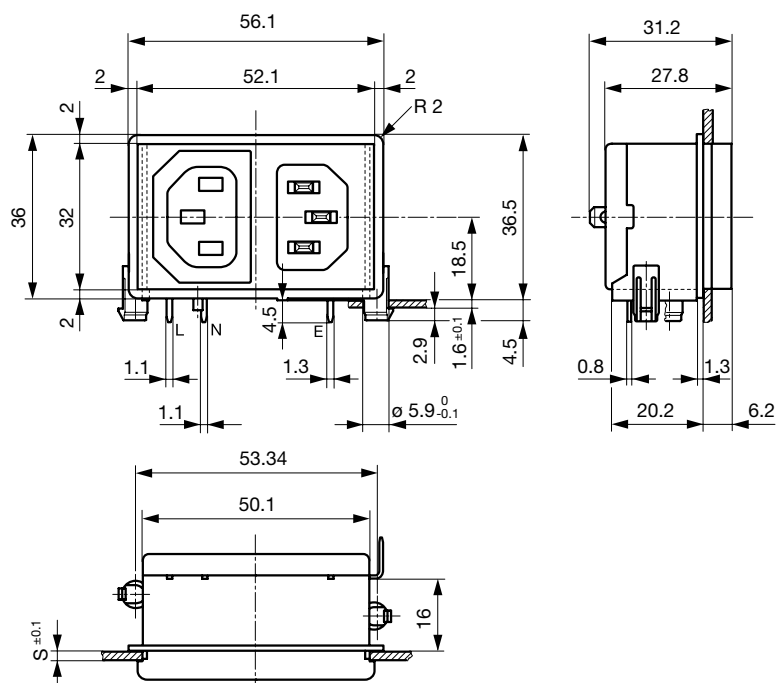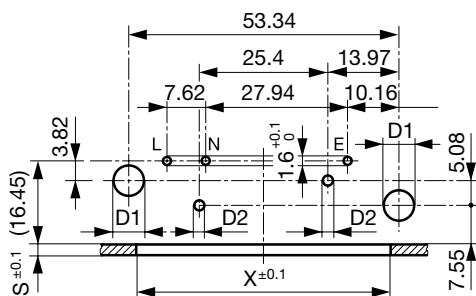| Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
UKCA	UKCA declaration 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 COMPLIANT	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
China RoHS	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.

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
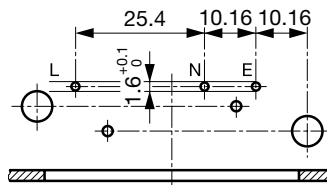
Snap-in mounting

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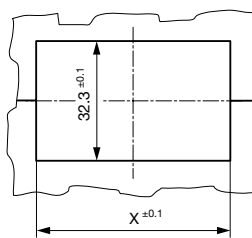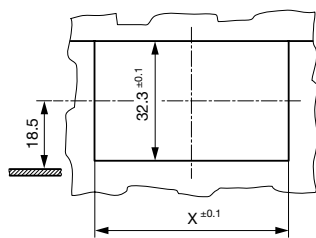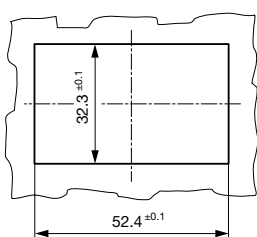Inlet/switch 1-pole, inlet/fuseholder 1-pole

d1 = 6 ± 0.05 für (snap-in)
d1 = 3.6 (screw-on)
d2 = 2.1 + 0.1/-0 (screw-on)
Dimensions without tolerance: ≤ 15 = ± 0.05, ≥ 15 = ± 0,1

S and X see mounting holes

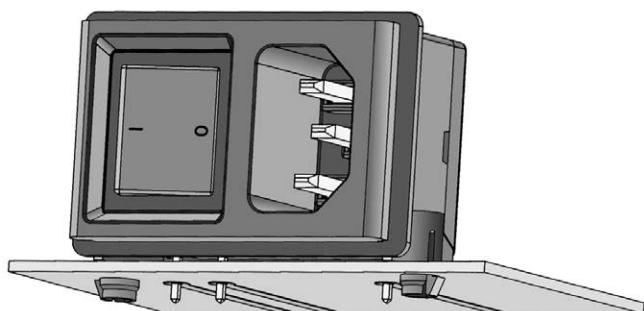Mounting holes for backside mounting

Sandwich mounting holes

Sandwich mounting holes
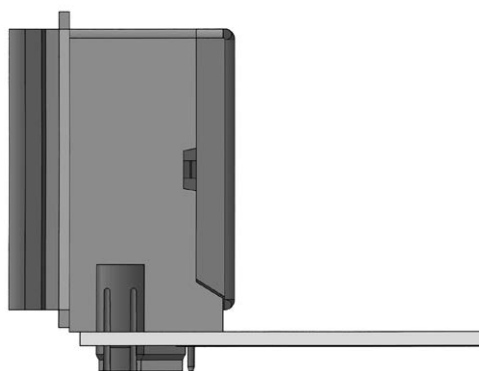
X = 48.4 at S = 1.5 and 2.5
X = 50.4 at S = 2.0 and 3.0

X = 48.4 at S = 1.5 and 2.5
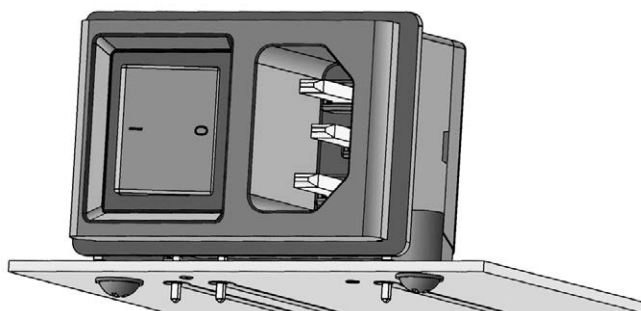X = 50.4 at S = 2.0 and 3.0
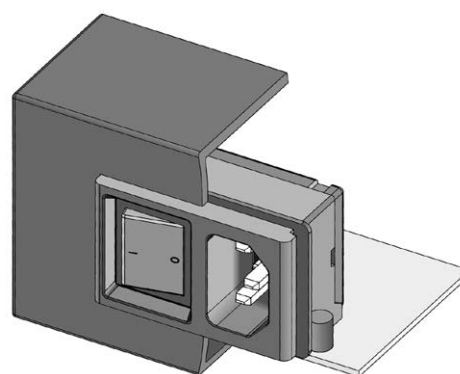
Assembly Instructions

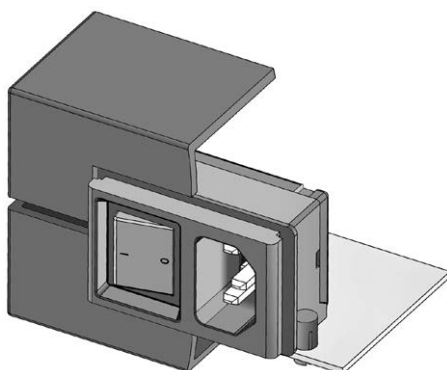Stable snap feet requires minimal insertion force

Module must lay flat on the PCB when soldering
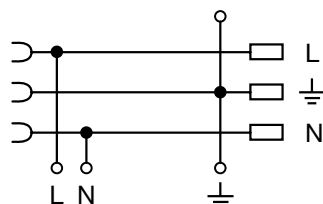
Screw-on mount
uses self-tapping screws

Insertion from behind

"Sandwich" mounting with split enclosure panels

Diagrams

L
N

Inlet with outlet

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
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

27.02.2025