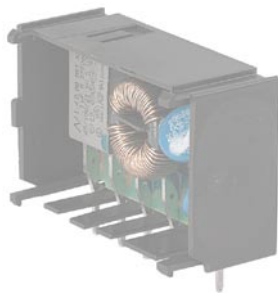
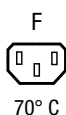


## IEC Appliance Inlet C14 with Appliance Outlet F



Inlet with outlet

KPF Filter Module  
(not enclosed)**Description**

- Panel Mount:  
Sandwich/rear-side
- 2 Functions:  
Appliance Inlet Protection class I, Connector Protection class I
- For PCB mounting
- Alternative: version with line filter [KPF](#); [KPS](#)

**Approvals**

- VDE License Number: 40008635
- UL License Number: E103791
- CSA License Number: 38456

**Characteristics**

- Panel mount from rear or "sandwich" between top and bottom/side to side panels  
PCB mount with snap-in or screw-on <BREAK/> feet (self tapping screws Ø 3 x 8 mm)
- All single elements are already wired
- Insulation cover on the rear-side
- Qualified for use in equipment according IEC/EN 60950

**Other versions on request**

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

**References**

[General Product Information](#)

**Weblinks**

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Store](#), [Distributor-Stock-Check](#), [Accessories](#)

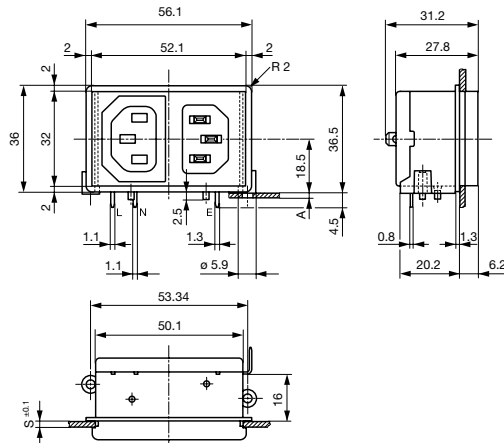
**Technical Data**

|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
| Ratings IEC               | 10 A / 250 VAC; 50 Hz                                                               |
| Ratings UL/CSA            | 10 A / 125 VAC; 60 Hz                                                               |
| Dielectric Strength       | > 2.3 kVAC between L-N<br>> 2.8 kVAC between L/N-PE<br>(1 min/50 Hz)                |
| Allowable Operation Temp. | -25 °C to 70 °C                                                                     |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529                                             |
| Protection Class          | Suitable for appliances with protection class 1 acc. to IEC 61140                   |
| Terminal                  | For PCB mounting Quick connect terminals 4.8 x 0.8 mm<br>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 / Appliance Outlet | C14 acc. to IEC/EN 60320-1 and F acc. to IEC/EN 60320-2-2, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class 1 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

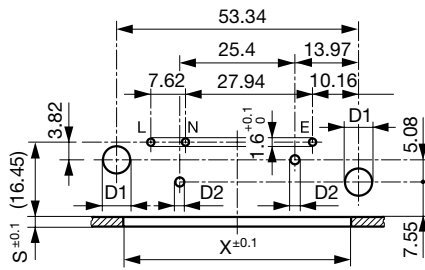
## Dimensions

## Screw on PCB mounting

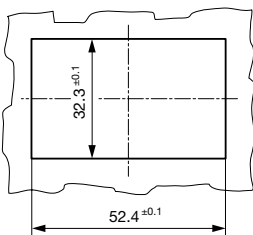


A = for PCB-thickness 1.2/1.6/2.0/2.4 mm  
Additional quick connect terminal 4.8 x 0.8 mm

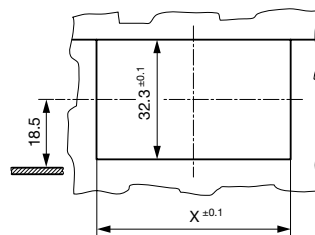
For 2-pole inlet/switch, 2-pole inlet fuseholder and inlet/outlet



### Mounting holes for backside mounting



### Sandwich mounting holes

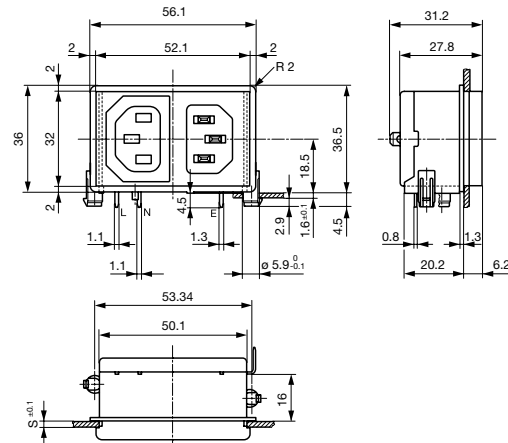


X = 48.4 at S = 1.5 and 2.5  
X = 50.4 at S = 2.0 and 3.0



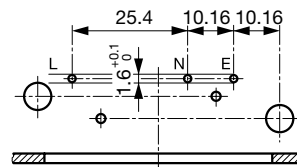
56.1 mm

Snap-in mounting



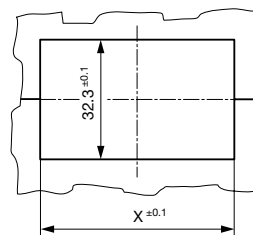
Additional quick connect terminal 4.8 x 0.8 mm  
s = panel thickness

for combinations:  
inlet/switch 1-pole  
Inlet/ fuseholder 1-pole



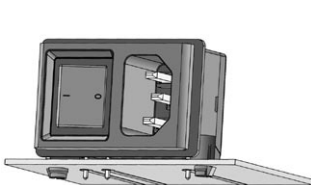
S and X see mounting holes

### Sandwich mounting holes

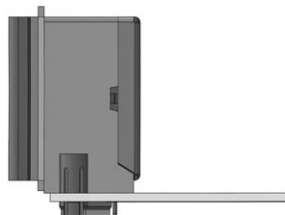


X = 48.4 at S = 1.5 and 2.5  
X = 50.4 at S = 2.0 and 3.0

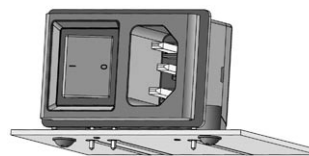
## Dimensions



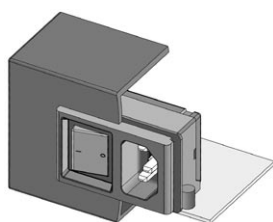
### Stable snap feet requires minimal insertion force



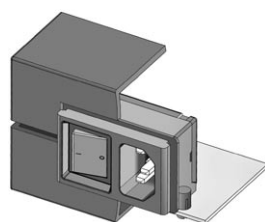
Module must lay flat on the PCB when soldering



Screw-on mount  
uses self-tapping screws



Insertion from behind



"Sandwich" mounting with split enclosure panels

Other dimensions as for 2-poles

d1 =  $6 \pm 0.05$  for (snap-in)

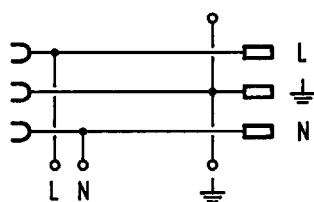
d1 = 3.6 (screw-on)

d2 =  $2 \pm 0.1$  (screw-on)

Dimensions without tolerance:

$\leq 15 = \pm 0.05$ ;  $\geq 15 = \pm 0.1$

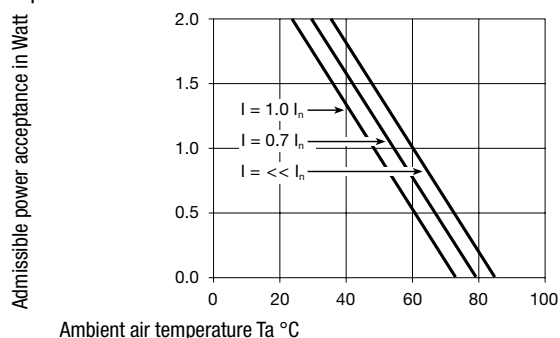
## Diagrams



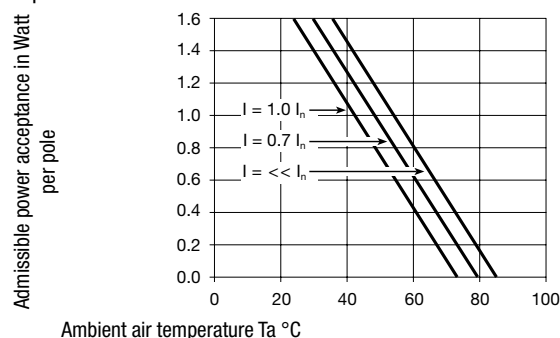
Inlet with outlet

## Derating Curves

### 1-pole



### 2-pole



## Variants

| Panel mounting | Panel Thickness<br>s [mm] | PCB [mm]        | Line Switch | Fuseholder | Connector | Order Number |
|----------------|---------------------------|-----------------|-------------|------------|-----------|--------------|
| 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 |
| Snap-in        | 2                         | 1.6             | -           | -          | F         | KP01.1012.01 |
| Snap-in        | 3                         | 1.6             | -           | -          | F         | KP01.1013.01 |

Type KP without cover: KP01.XXXX.XX90

Ground Terminal with solder pin: KP01.XXXX.X3XX

## Packaging unit

50 Pcs

## Mating Inlets/Plugs

### Category / Description

#### [Interconnection Cord Overview complete](#)



|                                                                   |      |
|-------------------------------------------------------------------|------|
| Interconnection Cord with IEC Plug E, Angled                      | 0607 |
| Interconnection Cord with IEC Plug E, Angled                      | 0608 |
| Interconnection Cord with IEC Plug E, Straight                    | 0609 |
| Interconnection Cord with IEC Plug G, Angled                      | 607B |
| Interconnection Cord with IEC Plug G, Angled                      | 608B |
| <a href="#">Interconnection Cord further types to KP (Outlet)</a> | ...  |

#### [Plug Overview complete](#)



|                                                                               |      |
|-------------------------------------------------------------------------------|------|
| IEC Plug E, Cord Connector (Rewireable), Straight, max. cable Diameter 8.5 mm | 4732 |
| IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 10 mm    | 4733 |
| IEC Plug E, Cord Connector (Rewireable), Straight, max. Cable Diameter 10 mm  | 4735 |
| IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 10 mm    | 4736 |
| IEC Plug E, Cord Connector (Rewireable), Straight                             | 9009 |

[Plug further types to KP \(Outlet\)](#) ...

## Mating Outlets/Connectors

#### [Appliance Outlet Overview complete](#)



|                                                                                                   |      |
|---------------------------------------------------------------------------------------------------|------|
| IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder or Quick-connect 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 |
| IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal      | 5092 |

[Appliance Outlet further types to KP \(Outlet\)](#)

#### [Connector Overview complete](#)



|                                          |        |
|------------------------------------------|--------|
| IEC Connector C15, Rewireable, Straight  | 0101   |
| IEC Connector C15A, Rewireable, Straight | 0102   |
| IEC Connector C15A, Rewireable, Straight | 0102-G |
| IEC Connector C15A, Rewireable, Angled   | 0112   |
| IEC Connector C13, Rewireable, Angled    | 4012   |

[Connector further types to KP \(Outlet\)](#) ...

#### [Power Cord Overview complete](#)



|                                           |      |
|-------------------------------------------|------|
| Power Cord with IEC Connector C13, Angled | 0311 |
| Power Cord with IEC Connector C13, Angled | 3011 |
| Power Cord with IEC Connector C13, Angled | 3012 |
| Power Cord with IEC Connector C13, Angled | 3013 |
| Power Cord with IEC Connector C13         | 3020 |

[Power Cord further types to KP \(Outlet\)](#) ...