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



Inlet with line switch



KPF Filter Module
(not enclosed)

C14

70° C

Description
- Panel Mount:
  Sandwich/rear-side
- 2 Functions:
  Appliance Inlet Protection class I, Line Switch 1- and 2- pole
- For PCB mounting
- Alternative: version with line filter KPF; KPS
- We recommend for new applications the new type DC21

Approvals
- VDE License Number: 40008635
- UL License Number: E96454
- 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
- Line switch non-illuminated
- Insulation cover on the rear-side
- Qualified for use in equipment according IEC/EN 60950

Other versions on request
- Solder terminals
- Quick-connect terminals
- Line switch, illuminated (only 2-pole version)
- Line switch with other rocker marking
- For protection class II

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, Distributor-Stock-Check, Accessories

Technical Data

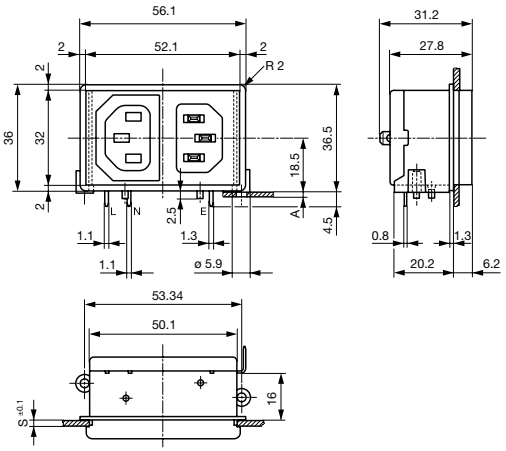
Ratings IEC	10 A / 250 VAC; 50 Hz
Ratings UL/CSA	15 A / 250 VAC; 60 Hz
Dielectric Strength	> 2.3 kVAC between L-N > 2.8 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temp.	-25 °C to 70 °C
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class 1 acc. to IEC 61140
Terminal	For PCB mounting Quick connect terminals 4.8 x 0.8 mm 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	C14 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class 1
Line Switch	Rocker switch 1 or 2 pole, non-illuminated, acc. to IEC 61058-1 Technical details

Dimensions

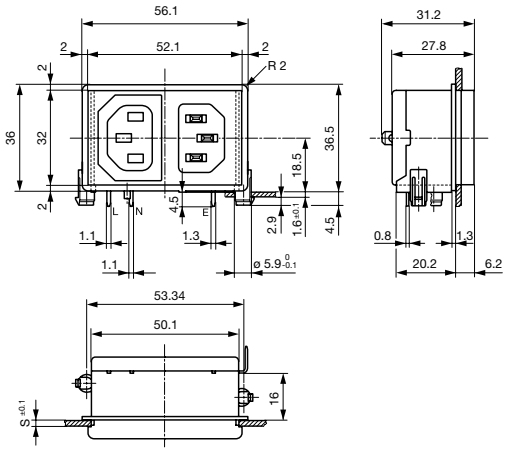
56.1 mm

Screw on PCB mounting



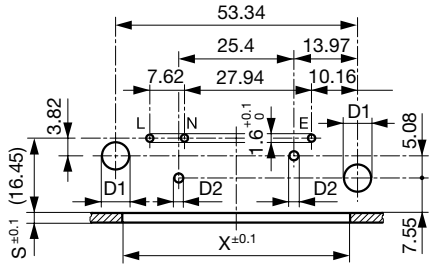
A = for PCB-thickness 1.2/1.6/2.0/2.4 mm
Additional quick connect terminal 4.8 x 0.8 mm

Snap-in mounting

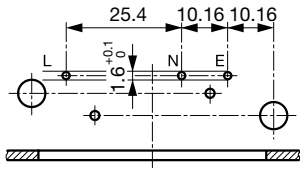


Additional quick connect terminal 4.8 x 0.8 mm
s = panel thickness

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

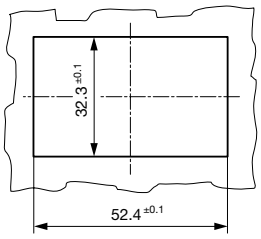


for combinations:
inlet/switch 1-pole
Inlet/ fuseholder 1-pole

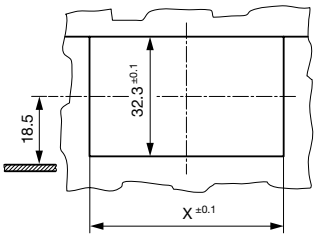


S and X see mounting holes

Mounting holes for backside mounting

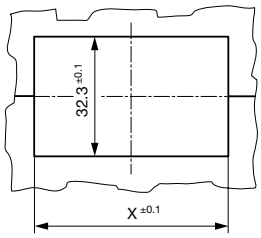


Sandwich mounting holes



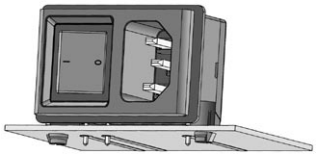
X = 48.4 at S = 1.5 and 2.5
X = 50.4 at S = 2.0 and 3.0

Sandwich mounting holes

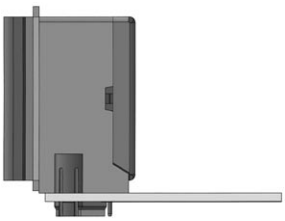


X = 48.4 at S = 1.5 and 2.5
X = 50.4 at S = 2.0 and 3.0

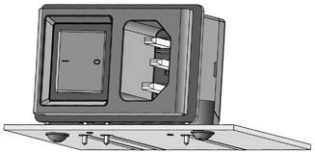
Dimensions



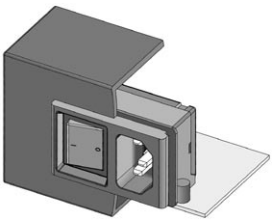
Stable snap feet requires minimal insertion force



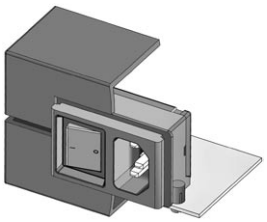
Module must lay flat on the PCB when soldering



Screw-on mount
uses self-tapping screws



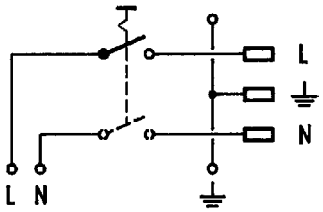
Insertion from behind



"Sandwich" mounting with split enclosure panels

Other dimensions as for 2-poles
d1 = 6 ± 0.05 for (snap-in)
d1 = 3.6 (screw-on)
d2 = 2 ± 0.1 (screw-on)
Dimensions without tolerance:
≤ 15 = ± 0.05; ≥ 15 = ± 0.1

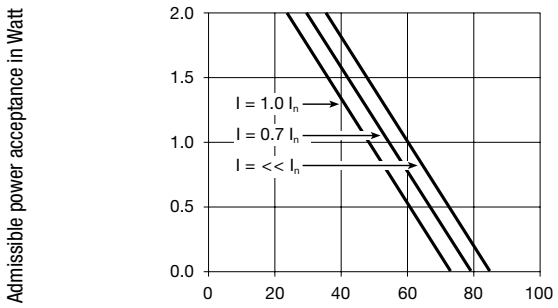
Diagrams



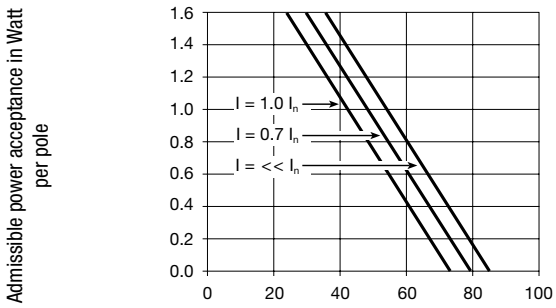
Inlet with line switch

Derating Curves

1-pole



2-pole



Variants

Panel mounting	Panel Thickness s [mm]	PCB [mm]	Line Switch	Fuseholder	Connector	Order Number
Screw	2	1.2/1.6/2.0/2.4	1-pole	-	-	KP01.1252.11
Screw	2	1.2/1.6/2.0/2.4	2-pole	-	-	KP01.1152.11
Screw	3	1.2/1.6/2.0/2.4	1-pole	-	-	KP01.1253.11
Screw	3	1.2/1.6/2.0/2.4	2-pole	-	-	KP01.1153.11
Snap-in	2	1.6	1-pole	-	-	KP01.1212.11
Snap-in	2	1.6	2-pole	-	-	KP01.1112.11
Snap-in	3	1.6	1-pole	-	-	KP01.1213.11
Snap-in	3	1.6	2-pole	-	-	KP01.1113.11

Type KP without cover: KP01.XXXX.XX90

Ground Terminal with solder pin: KP01.XXXX.X3XX

Packaging unit 50 Pcs

Mating Outlets/Connectors







Category / Description	
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 (Switch)	
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 (Switch)	...
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 (Switch)	...

SCHURTER ELECTRONIC COMPONENTS

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.