IEC Appliance Connector C14 with Fuseholder 1- or 2-pole   Medical fuse drawer

Inlet with fuseholder (5x20 mm)

C14

70° C

KPF Filter Module
(not enclosed)

Description

- Panel Mount:
  Sandwich/rear-side
- 2 Functions:
  Inlet Protection class I, Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole
- For PCB mounting
- Alternative: version with line filter   KPF;   KPS

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
- Fuse drawer meets requirements of medical standard IEC/EN 60601-1
  The fuse drawer can only be opened with the aid of a tool
  The fuseholder is accessible from the equipment front
- 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

Weblinks

Approvals: http://www.schurter.com/approvals
RoHS: http://www.schurter.com/rohs

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 > 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 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 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold condition) pin-temperature 70 °C, 10 A, Protection class I
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves

Dimensions

Length |———————————————————| 56.1 mm

Screw on PCB mounting   **Snap-in PCB mounting**
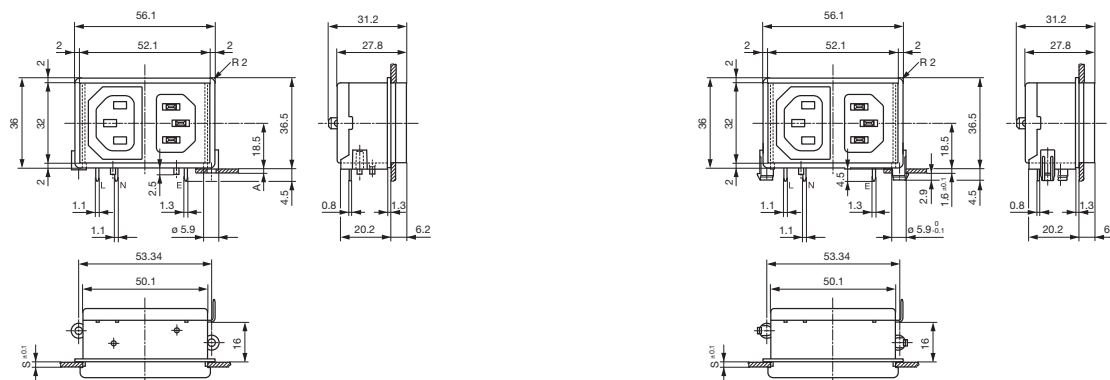
A = for PCB-thickness 1.2/1.6/2.0/2.4 mm
Additional quick connect terminal 4.8 x 0.8 mm
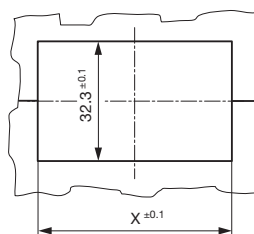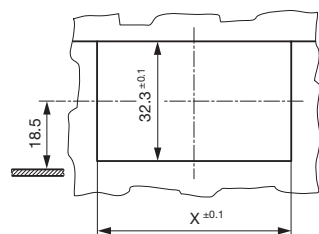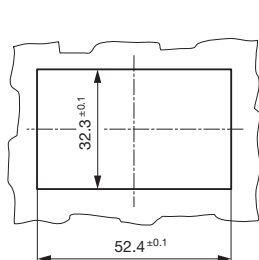
Additional quick connect terminal 4.8 x 0.8 mm
s = panel thickness

Mounting holes for backside mounting

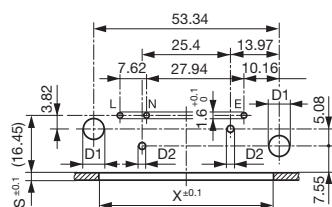**Sandwich mounting holes**

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

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

For 1-pole inlet/switch and 1-pole inlet/fuseholder
S and X see mounting holes
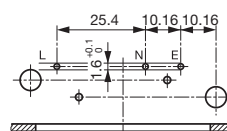
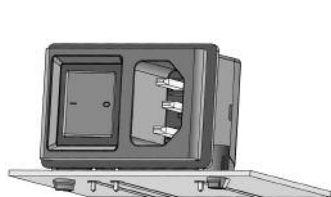Other dimensions as for 2-poles
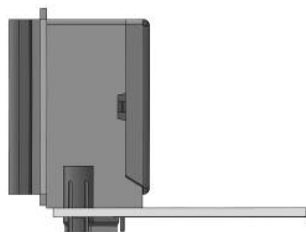d1 = 6 ± 0.05 for (snap-in)
d1 = 3.6 (screw-on)
d2 = 2 ± 0.1 (screw-on)
Dimensions without tolerance:
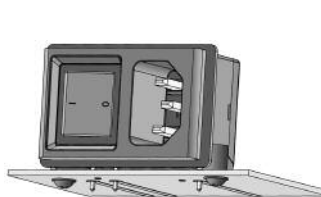≤ 15 = ± 0.05; ≥ 15 = ± 0.1
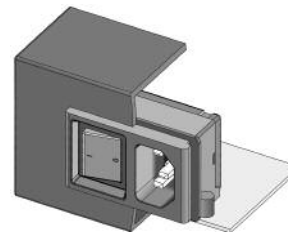
Mounting instructions
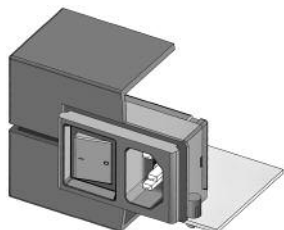
Stable snap feet requires minimal insertion force

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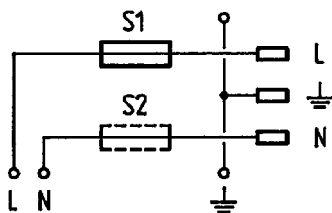
Screw-on mount uses self-tapping screws

Insertion from behind

"Sandwich" mounting with split enclosure panels

Diagrams

Inlet with fuseholder (5 x 20 mm)

Variants

Panel mounting	Panel Thickness s [mm]	PCB [mm]	Line Switch	Fuseholder	Appliance outlet	Order Number
Snap-in	2	1.6	-	1 pole	-	KP01.1412.01
Snap-in	2	1.6	-	2-pole	-	KP01.1312.01
Snap-in	3	1.6	-	1 pole	-	KP01.1413.01
Snap-in	3	1.6	-	2-pole	-	KP01.1313.01
Screw-on	2	1.2/1.6/2.0/2.4	-	1 pole	-	KP01.1452.01
Screw-on	2	1.2/1.6/2.0/2.4	-	2-pole	-	KP01.1352.01
Screw-on	3	1.2/1.6/2.0/2.4	-	1 pole	-	KP01.1453.01
Screw-on	3	1.2/1.6/2.0/2.4	-	2-pole	-	KP01.1353.01

Type KP without cover: KP01.XXXX.XX90
Ground Terminal with solder pin: KP01.XXXX.X3XX

Packaging unit   50 Pcs