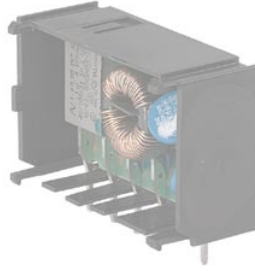IEC Appliance Inlet C14 with Line Switch 1- or 2-pole

V-Lock

Inlet with line switch

KPF Filter Module
(not enclosed)

C14
70° C

RoHS Compliant 2002/95/EC

Description
- Panel Mount:
  Sandwich/rear-side
- 2 Functions:
  Appliance Inlet Protection class I, Line Switch 1- and 2- pole
- For PCB mounting

Approvals
- VDE Certificate Number: 40008635
- UL File Number: E96454
- CSA File 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
   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
Alternative: version with line filter   KPF; KPS
We recommend for new applications the new type   DC21

Weblinks
General Product Information, Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories

Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

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

Connectors

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ELECTRONIC COMPONENTS

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Dimensions

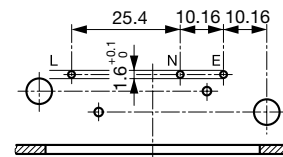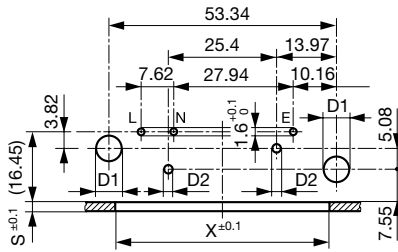56.1 mm
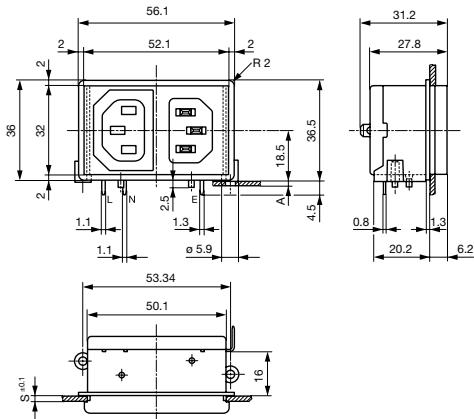
Screw on PCB mounting
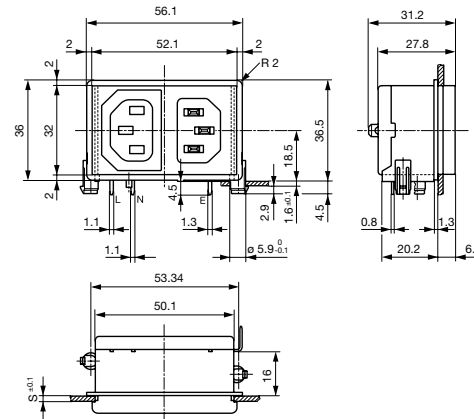
A = for PCB-thickness 1.2/1.6/2.0/2.4 mm
Additional quick connect terminal 4.8 x 0.8 mm

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

Snap-in mounting

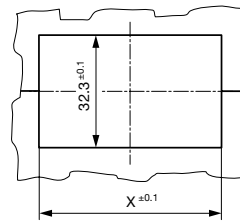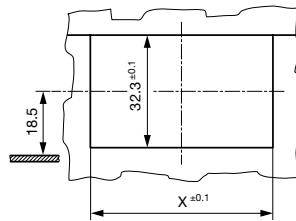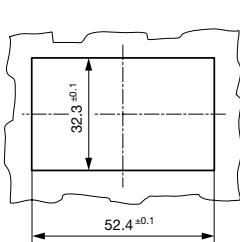Additional quick connect terminal 4.8 x 0.8 mm
s = panel thickness

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

S and X see mounting holes

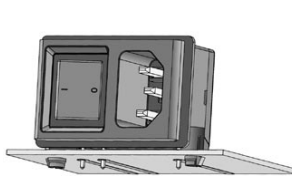Mounting holes for backside mounting
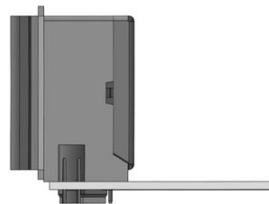
Sandwich mounting holes

Sandwich mounting holes

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

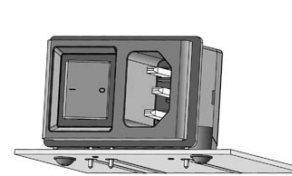X = 48.4 at S = 1.5 and 2.5
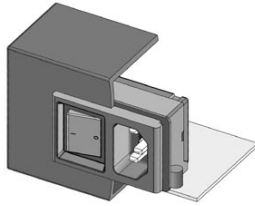X = 50.4 at S = 2.0 and 3.0

Dimensions
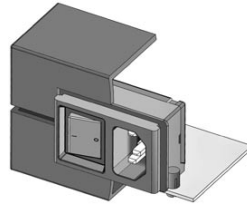
Stable snap feet requires minimal insertion force

Module must lay flat on the PCB when soldering

Screw-on mount
uses self-tapping screws

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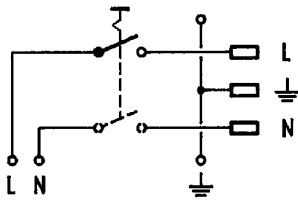ELECTRONIC COMPONENTS

Connectors

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:
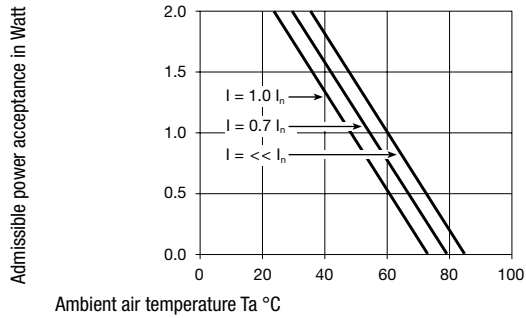≤ 15 = ± 0.05; ≥ 15 = ± 0.1

Diagrams

Inlet with line switch

Derating Curves

1-pole

Admissible power acceptance in Watt

$I = 1.0\ I_n$
$I = 0.7\ I_n$
$I = \ll I_n$

Ambient air temperature Ta °C

2-pole

Admissible power acceptance in Watt per pole

$I = 1.0\ I_n$
$I = 0.7\ I_n$
$I = \ll I_n$

Ambient air temperature Ta °C
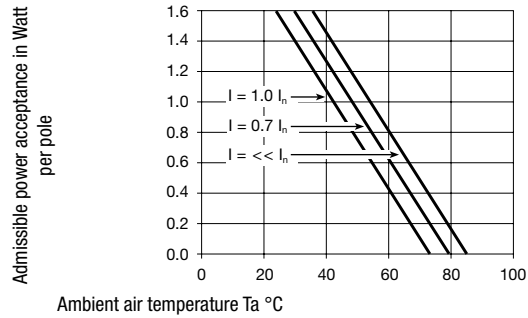
Variants

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

Connectors

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Mating Outlets/Connectors

Category / Description

Appliance OutletOverview complete

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder 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 Outletfurther types toKP (Switch)

ConnectorOverview 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

Connectorfurther types toKP (Switch)   ...

Power CordOverview 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 Cordfurther types toKP (Switch)   ...

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