COMBI*FIT*
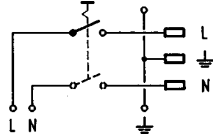**Pcb Mount, Snap-in or Screw-on • AC Inlet • AC Outlet
On / off Line Switch • Fuseholder for 5 x 20mm Fuses**
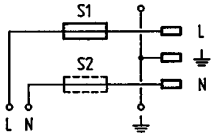
NEW

AC inlet / switch

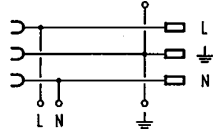

**Medical
Fusedrawer**

AC inlet / fuseholder

AC inlet / outlet

MULTI*FIT*

Complete **MULTI*FIT*** family on page 10

- Power entry module with line switch, fuseholder or inlet/outlet
- For "cold" connections 65° C, Protection Class I.
- Pcb mount with snap-in or screw-on feet (self-tapping M3 screws provided, ø 3 x 8mm)
- Panel mount from rear or "sandwich" between top and bottom / side to side panels
- Single or double pole shocksafe fuseholder according to IEC 65/VDE 0860 for 5 x 20mm fuses
- Integral 1-pole SPST on/off line switch or 2-pole DPST switch (70A/3-4ms in-rush max.; 10,000 cycles lifetime)
- Insulation cover in back protects against inadvertent electric contact
- Ground terminal solder/quick-connect .187 x .032" (4.8 x 0.8mm) or .250 x .032" (6.3 x 0.8mm)
- 0.5 Nm screw torque required for screw-on type
- Max. power dissipation 3.2 watts (1-pole fusing) or 5 watts (2-pole fusing) according to IEC 127-6. For additional values P_v in function of T_{amb} , see page 6.
- For materials, options and accessories please see page 23
- For inlets with piggy-back fuse clips see GSF, page 13

		Inlet / switch		Inlet / outlet	
UL	recognition	10A/250V[1]	File #E96454	10A/250V	File #E103791
CSA	certification	10A/250V[1]	File #LR38456	10A/250V	File #LR38456
VDE	approval	10A/250V[2]	File #83482	10A/250V	File #83482
SEMKO	approval	10A/250V[2]		10A/250V	File numbers on request
SEV	approval	10A/250V[2]		10A/250V	

[1] 10A/250V approval with 1/2 HP; 10A/125V approval with 1/3 HP
[2] 4A inductive load

		Inlet / fuseholder	
UL	recognition	10A/250V	File #E93617
CSA	certification	10A/250V	File #LR38456
VDE	approval	10A/250V	File #83482
SEMKO	approval	10A/250V	File numbers on request
SEV	approval	10A/250V	

Optional "back-pack"
FILTER*FIT* (see pg. 45)
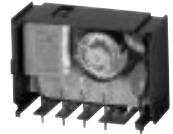
Optional "back-pack"
SURGE*FIT* (see pg. 45)

Cascading multi-function design streamlines packaging

Standards: IEC 320/C14/F; IEC 127-6; EN 60320; EN 60127-6. Fusedrawer meets tool-only accessibility requirements of medical standards IEC 601-1, BS5724 part 1, DIN/VDE 0750 part 1.

Snap-in pcb mounting

A = for thickness of PCB 1.6mm

E additionally as solder-/quick-connect terminal 4.8x0.8 axial or radial on request.
E not for protection class II
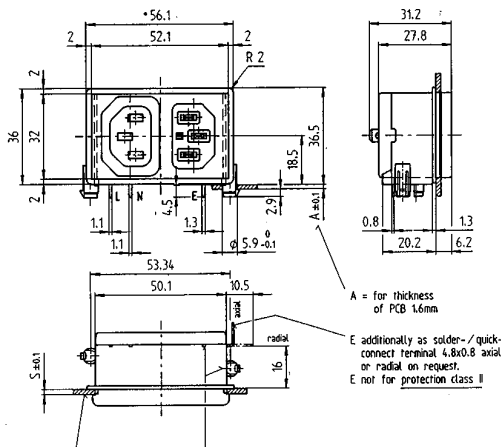
see next page for drilling diagram and panel cut-out

Screw-on pcb mounting

A = for thickness of PCB 1.2 / 1.6 / 2.0 / 2.4mm

E additionally as solder-/quick-connect terminal 4.8x0.8 axial. or radial on request.
E not for protection class II

see next page for drilling diagram and panel cut-out

COMBI*FIT* continued

Printed circuit board mounting

Stable snap feet requires minimal insertion force

Module must lay flat on the pcb when soldering (see diagram below)

Screw-on mount uses self-tapping screws

0.5 Nm torque required for screws

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

For 1-pole inlet/switch and 1-pole inlet/fuseholder

Other dimensions for 2-pole modules:
d1 = 6 ± 0.05 (snap-in)
d1 = 3.6 (screw-on)
d2 = 2 ± 0.1 (screw-on)

Tolerances not marked:
≤ 15 = ± 0.05
≥ 15 = ± 0.1

Panel mounting

Insertion from behind

32.3 ±0.1

52.4 ±0.1

"Sandwich" mounting with split enclosure panels

18.5   32.3 ±0.1

Printed circuit board

X ±0.1

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

32.3 ±0.1

X ±0.1

Order Numbers

KP01. 1 X X X . X X

Ground Terminal
0 = protection class II, without ground
1* = protection class I, solder/quick-connect 4.8 x 0.8mm, in connector axis
2 = protection class I, solder/quick-connect 6.3 x 0.8mm, in connector axis
6 = protection class I, solder/quick-connect 4.8 x 0.8mm, 90° to connector axis
7 = protection class I, solder/quick-connect 6.3 x 0.8mm, 90° to connector axis

Line switch
0 = without switch

non-illuminated	illuminated 100- 250V~
1* = black	7* = red
2 = white	8* = green
3 = red	9 = orange
4 = green	
5 = orange	

Mounting
For snap-in Pcb mount (thickness 1.6 mm):
11 = slot for panel, thickness S = 1.0mm
12* = slot for panel, thickness S = 1.5 – 2.0mm
13* = slot for panel, thickness S = 2.5 – 3.0mm
14 = slot for panel, thickness S = 3.5 – 4.0mm
15 = without slot for panel fixation

For screw-on Pcb mount (thickness 1.2-2.5mm):
With or without self-tapping screws, ø3 x 8mm

With	Without	
51	61	panel thickness S = 1.0mm
52*	62	panel thickness S = 1.5 – 2.0mm
53*	63	panel thickness S = 2.5 – 3.0mm
54	64	panel thickness S = 3.5 – 4.0mm
55	65	panel thickness S = 0

Standard combinations
0 = AC inlet with ac outlet
1 = AC inlet with on/off line switch, 2-pole
2 = AC inlet with on/off line switch, 1-pole
3 = AC inlet with fuseholder, 2-pole
4 = AC inlet with fuseholder, 1-pole

Color of Housing
1* = black

Basic Specification
KP01 = Power entry module for Pcb mounting, SNAP*FIT* or SCREW*FIT*

* standard configuration. Contact Schurter for non-standard order minimums.

Ordering example:
KP01.1112.11

Prtotection class I, solder/quick-connect ground terminal 4.8 x 0.8mm in connector axis

Black unlighted rocker switch

Snap-in pcb mounting (1.6mm pcb), with bezel for 1.5-2.0mm panel

Combination ac inlet with on/off line switch (2-pole)

Black housing

Power entry module for pcb mounting