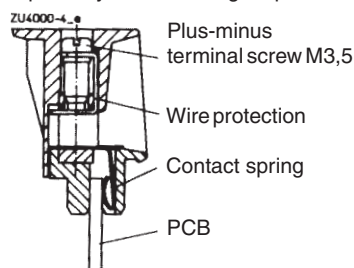


Insulated Enclosure KO 4716

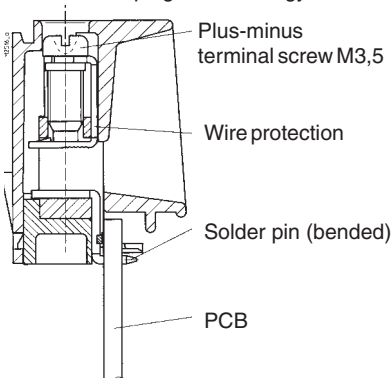
with box terminal
for machine soldering or plug-in technology



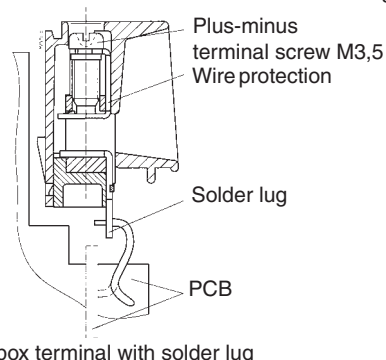
- Width 152 mm
- Max. 50 box terminal with captive plus-minus-terminal screws
- Electrical connection of PCB to terminal in machine soldering or plug-in technology
- Changeable plate as option
- Spacer for PCB coding
- Optionally with removable terminal strip for plug-in technology
- Optionally with Blanking strip



Box terminal for plug-in technology



Box terminal for machine solder technology



box terminal with solder lug

Technische Daten

Order references: Front colour	beige	light grey RAL 7035	blue RAL 5015	Enclosure variant with
KO 4716.118.50.02	.001	.004	.007	front plate plug-in techn
KO 4716.118.50.02	.002	.005	.008	plate plug-in technology
KO 4716.118.50.02	.003	.006	.009	plate clear plug-in techn.
KO 4716.118.50.03	.004	.005	.008	front plate solder pin bended
KO 4716.118.50.03	.002	.006	.009	plate solder pin bended
KO 4716.118.50.03	.003	.007	.010	plate clear solder pin bended
KO 4716.118.50.03	.020	.023	.026	front plate soldering lug
KO 4716.118.50.03	.021	.024	.027	plate soldering lug
KO 4716.118.50.03	.022	.025	.028	plate clear soldering lug

Outer dimensions: 152 x 73.2 x 118,2 mm
Enclosure material: PC-GF, base black, front colour see table

Temperature stability:	
complying with UL 746 B:	125 °C
complying with Vicat	
ISO 306 Meth. B:	148 °C
compl. with ISO 75-2 Meth. A:	138 °C
	Meth. B: 144 °C

Max. permitted power dissipation: 35 W for stand alone enclosure at normal climate 23/50-1
Specific thermal resistance: $R_{th} = 3 \text{ K / W}$ for stand alone enclosure

Flame retardancy: V-0; Plate clear = V-2
 complying with UL 94: BH 2-30
 complying with IEC 60 707:

Number of terminals: 50, < 50 auf Anfrage

Terminal material: CuSn verzinnt
solder technology: CuBe verzinnt

Max. cross section for connection: each 1 x 4 mm² solid
 each 1 x 2.5 mm² stranded ferruled DIN 46 228-1/-2/-3/-4
 each 2 x 1.5 mm² stranded ferruled DIN 46 228-1/-2/-3/-4
 10 mm

Insulation of wires length:

Max. cross resistance to printed circuit board: 10 mΩ \approx 1 W / terminal (power dissipation)

Max. current carrying capacity: 16 A
machine soldering: 10 A

Wire fastening: captive plus-minus terminal screws M3.5
soldering and plug-in technology: box-terminals with self-raising wire protection
plug-in technology: terminal strip removable separately
Torque: max. 0.8 Nm

Connection inside: machine solderable solder pins
plug-in technology: direct plug-in on PCB

Enclosure fastener: 1) Snap-on fastener on top hat rail EN 50 022
 2) screw fixing with retractable clips, fastening dimensions 80 mm for 2 screws M4

Creepage current resistance: CTI 175 \approx insulating material III a IEC 60 664-1
Air gap and creepage distance: $\geq 3.3 \text{ mm}$ IEC 60 664-1

Type of protection: Enclosure IP 40 IEC 60 529
 Terminals IP 20 IEC 60 529

Print area: 42 x 152 mm (on front plate)

Printed circuit board: see printed circuit design

Printed circuit board holder: Guide ribs on the small side and on the enclosure bottom for 5 PCBs
 approx. 370 g

Net-weight:

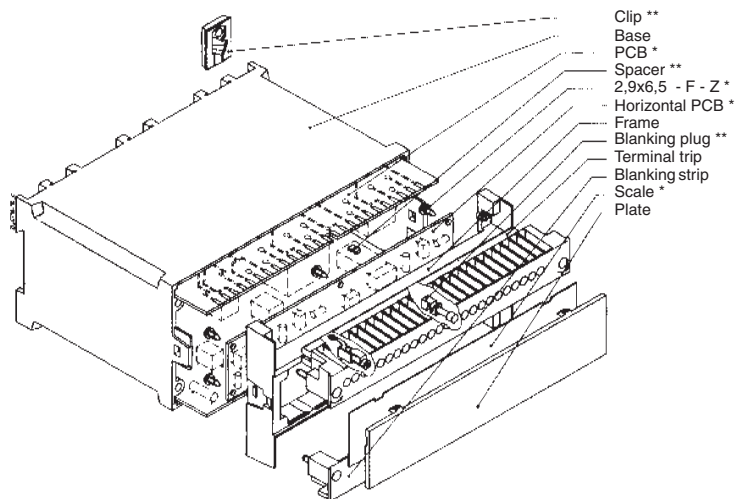
Accessories:

ET 4720-1-2:

clips for screw fixing

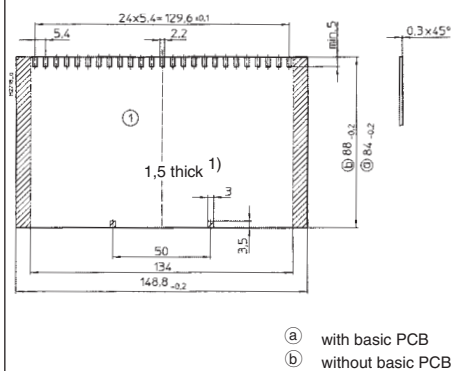
		plug-in technology				solder techn.
		clear	beige	grey	blue	clear
Spacer for PCB coding	KO 4721-8-1					
Blanking plug	KO 4721-7-	1.22				1.24
Blanking strip	KO 4713-		5.2	5.3	5.4	

Plug-in technology



* not included in delivery
** see Accessories

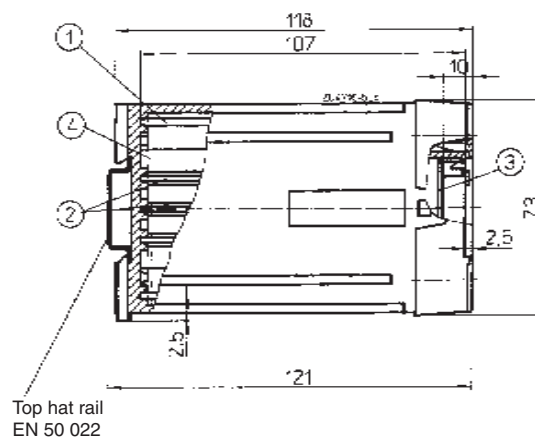
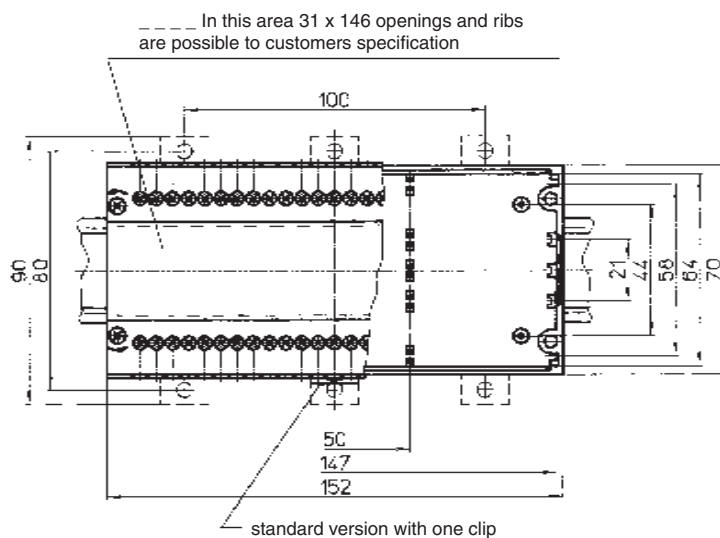
Printed circuit board design



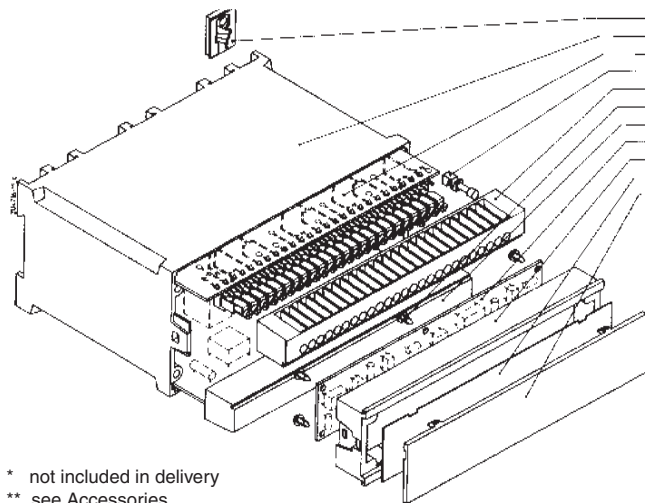
▨ Inhibited surface

1) Tolerance complying with IEC/EN 60249-2-4

Dimensions

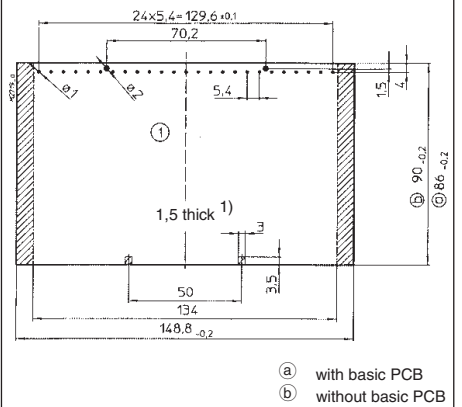


Solder pin bended

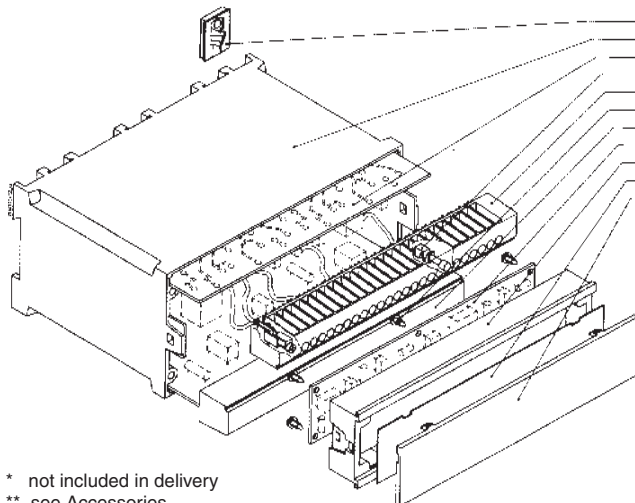


* not included in delivery
** see Accessories

Printed circuit board design

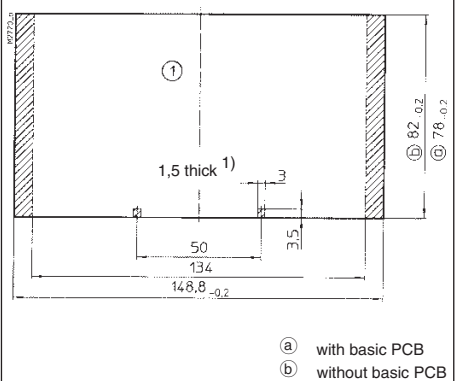


Soldering lug

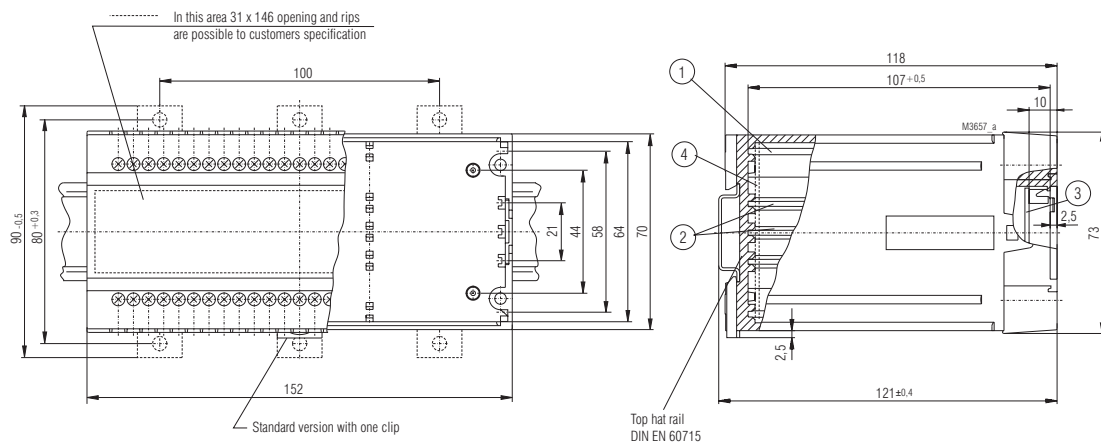


* not included in delivery
** see Accessories

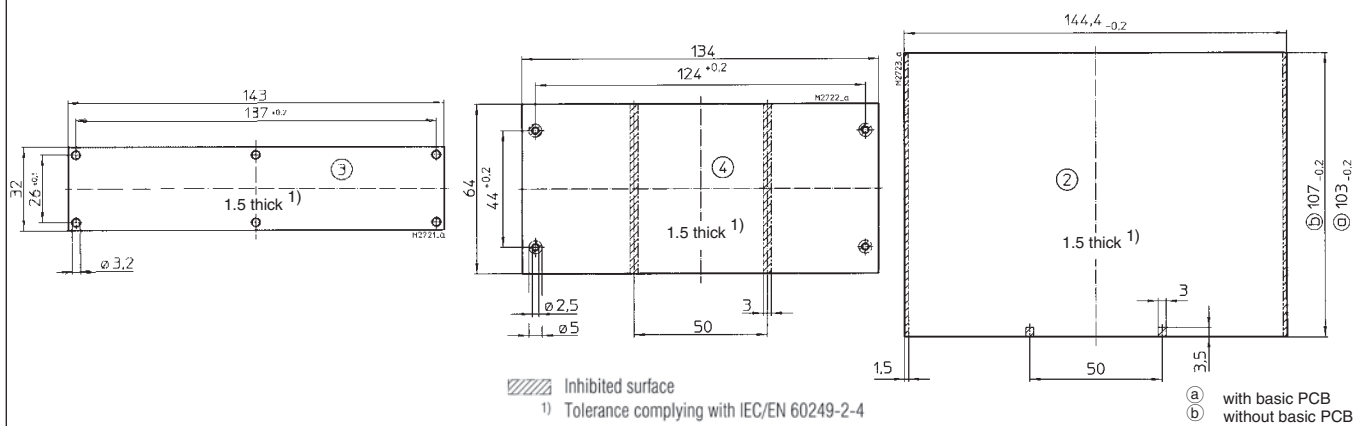
Printed circuit board design



Dimensions for soldering technology



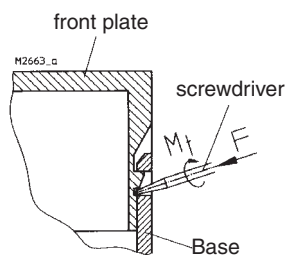
Printed circuit board design



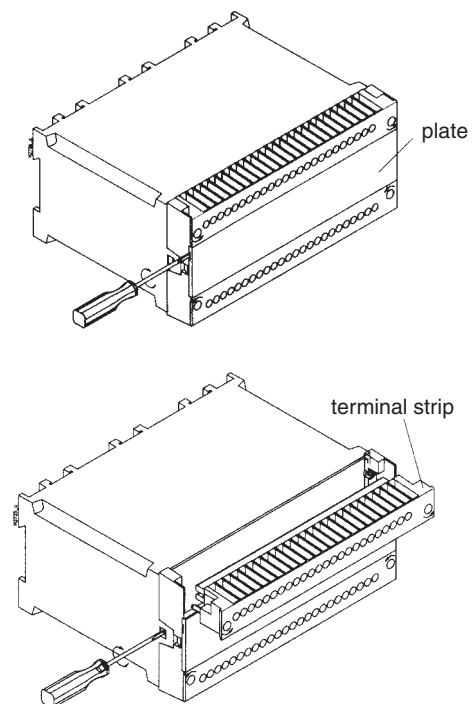
Notes on Housing Opening

Enclosure for plug-in technology

To remove the front plate first unscrew the terminal strips fixing screws and lift off the terminal strips.



To remove front-frame insert an 0.8 x 4.0 or 0.8 x 4.5 screwdriver into the side recess, on the hood, and turn lightly to the left or right until the snap-in lug disengages. Repeat in the opposite side.



Enclosure for soldering technology

1. Tool

- for all functions use 0.8 x 4.0 or 0.8 x 4.5 screwdriver

2. Removing the frame

- Insert a screwdriver in the side recesses of the hood (underneath)
- With light pressure, turn the screwdriver to the right or left
- The snap-in lug of the frame disengages
- Repeat disengaging process on opposite side
- The frame can be removed

