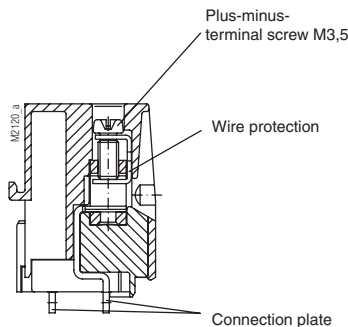


# Insulated Enclosure KO 4734

with high current box terminals  
for soldering technology



- Width 22.5 mm
- Max. 6 high current box terminals with captive plus-minus-terminal screws
- Electrical connection of PCB to terminal via stranded ferruled



## Approval and Marking



## Technical Data

Order reference:	beige	grey RAL 7035	blue RAL 5015	clear	black
Base, with one clip PC	KO 4730-	1.6			1.1
Base, with one clip PA (UL)	KO 4730-				1.7
Base, with one clip PBT (UL)	KO 4730-	1.8			
Frame PC (UL)	KO 4734-	2-1.1			
High current terminal block, 3 terminals PC	KO 4734-	4.5			
High current terminal block, 3 terminals PA (UL)	KO 4734-				4.23
High current terminal block, 3 terminals PBT (UL)	KO 4734-	4.26			

**Outer dimensions:** 22,5 x 84 x 118 mm

**Enclosure material:** PC-GF, base black, front beige

Temperature stability:	PC	PA	PBT
complying with UL 746 B:	125 °C	120 °C	120 °C
complying with Vicat Meth. A: ISO 306 Meth. B:	148 °C	212 °C 212 °C	134 °C
compl. with ISO 75-2 Meth. A: Meth. B:	138 °C 144 °C	230 °C 210 °C	145 °C 150 °C

**Max. permitted power dissipation:** 13 W for stand-alone enclosure at normal climate 23/50-1 ISO 554

**Specific thermal resistance:**  $R_{th} = 7,5 \text{ K/W}$  for stand-alone enclosure

**Flame retardancy**  
complying with UL 94: PC: V-0; PC: plate clear = V-2; PA: V-0; PBT: V-0  
complying with IEC 60 707: BH 2-30

**Number of terminals:** 6, < 6 on request

**Terminal material:** steel strip, tin-plated

**Max. cross section for connection:** 1 x 10 mm<sup>2</sup> solid  
1 x 6 mm<sup>2</sup> - 12 stranded ferruled DIN 46 228-1/-2/-3/-4

**Min. cross section for connection:** ≥ 1 mm<sup>2</sup> solid  
≥ 0.5 mm<sup>2</sup> stranded ferruled DIN 46 228-1/-2/-3

**Insulation of wires length:** 11 mm

**Max. current carrying capacity:** 40 A

**Wire fastening:** captive plus-minus-terminal screws M4  
box terminals with self raising wire protection

**Torque:** max. 1,2 Nm

**Inner connection:** solder connection

**Enclosure fastener:** 1) Snap-on fastener on top hat rail EN 50 022  
2) screw fixing M4, grid 90 mm  
with additional clip as accessories

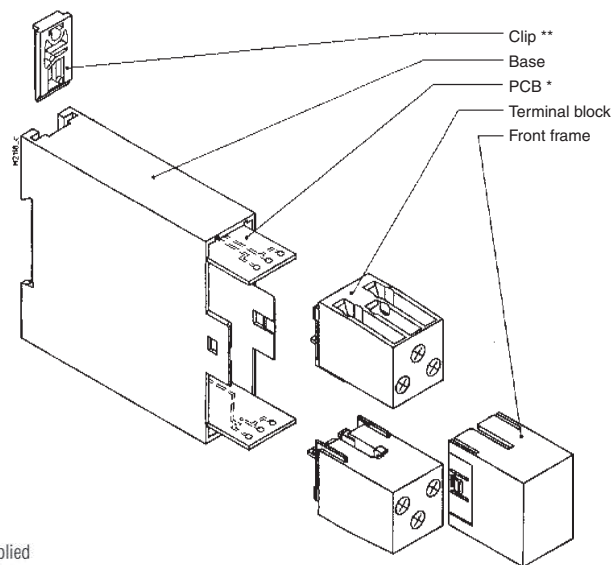
**Creepage current resistance:** PC: CTI 175 ≅ insulating material III a IEC 60 664-1  
PA: CTI 600 ≅ insulating material I IEC 60 664-1  
PBT: CTI 225 ≅ insulating material III IEC 60 664-1

**Air gap and creepage distance:** ≥ 5.5 mm IEC 60 664-1

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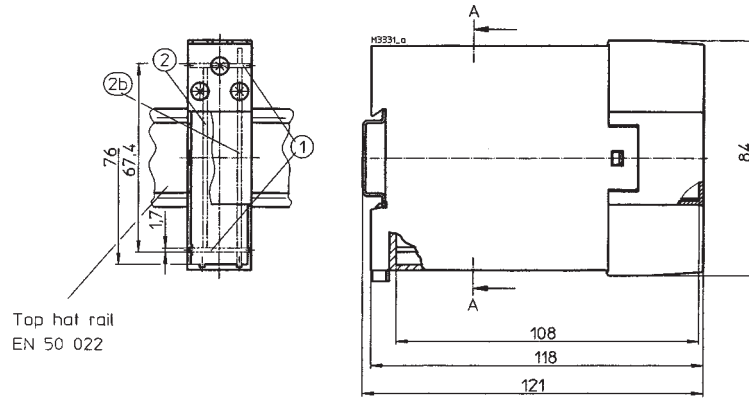
Type of protection:		
Enclosure:	IP 40	IEC 60 529
Terminals:	IP 20	IEC 60 529
	contact protection complies with VBG 4	
Print area:	22.5 x 33 mm (on plate)	
<b>Printed circuit board:</b>	see printed circuit design	
Printed circuit board holder:	guide ribs	
Net weight:	104 g	
<b>Accessories:</b>		
2 clips for screw fastener	ET 4086-0-2	

## Exploded view




\* not supplied  
\*\* see accessories

## Dimension



## Printed circuit board designs



 Inhibited surface

<sup>1)</sup> Tolerance to DIN EN 60249-2-4  
General tolerance: PERFAG E2

## Notes on Housing Opening

Base

Terminal block

### 1. Tool

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

### 2. Removing of terminal blocks and frame

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

