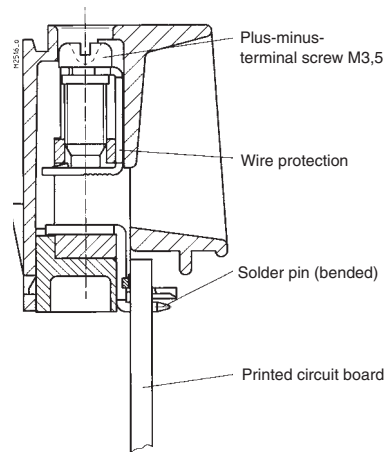


Insulated Enclosure KO 4713

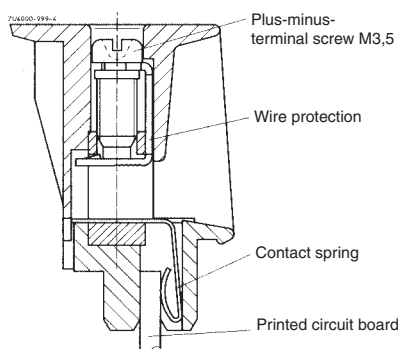
with box terminals
for machine soldering or plug-in technology



- Width 75 mm
- Max. 22 box terminals with captive plus-minus-screws
- Electrical connection of PCB to terminal in machine soldering or plug-in technology
- Mounting of SMD components possible on soldering side
- Optionally with changeable plate
- Spacer for PCB coding
- Optionally with removable terminal strip for plug-in technology
- Optionally with Blanking strip



Box terminal for machine soldering



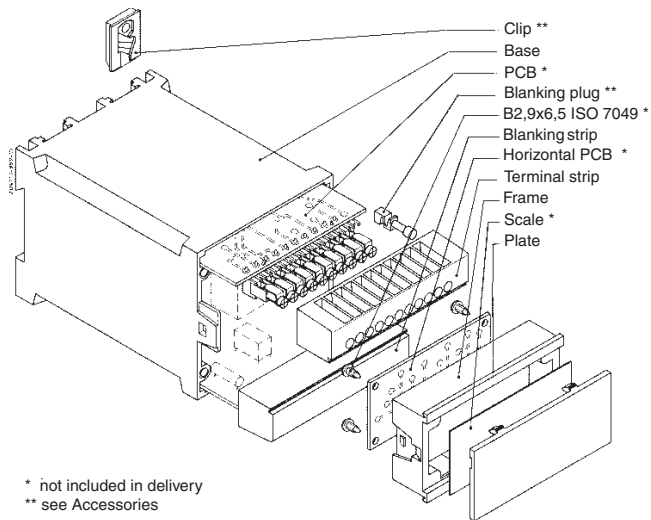
Box terminal for plug-in technology

Technical Data

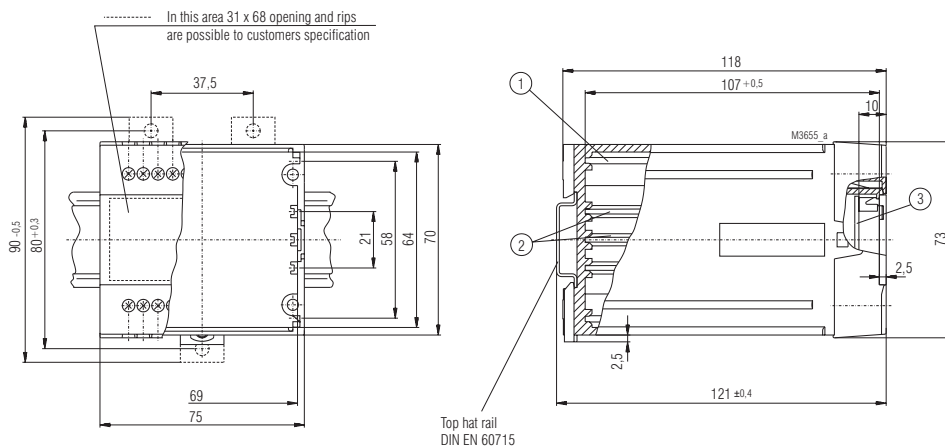
Bestellbezeichnungen: Frontfarbe	beige	light grey RAL 7035	blue RAL 5015	Enclosure variant with
Machine soldering: KO 4713.118.22.03 KO 4713.118.22.03 KO 4713.118.22.03	.004 .002 .003	.005 .006 .007	.008 .009 .010	Front plate Plate Plate clear
Plug-in technology: KO 4713.118.22.02 KO 4713.118.22.02 KO 4713.118.22.02	.001 .002 .003	.004 .005 .006	.007 .008 .009	Front plate Plate Plate clear
Outer dimensions:	75 x 73.5 x 118,2 mm			
Enclosure material:	PC-GF, Haube schwarz, Frontfarbe siehe Tabelle			
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:	21 W for stand-alone enclosure at normal climate 23/50-1			ISO 554
Specific thermal resistance:	R _{th} = 5 K / W for stand-alone enclosure			
Flame retardancy complying with UL 94:	V-0			
complying with IEC 60 707:	BH 2-30			
Number of terminals:	22, < 22 on request			
Terminal material machine soldering:	CuSn tin-plated			
plug-in technology:	CuBe tin-plated			
Max. cross section for connection:	each 1 x 4 mm ² solid each 1 x 2.5 mm ² stranded ferruled DIN 46 228-1/-2/-3/-4 each 2 x 1.5 mm ² stranded ferruled DIN 46 228-1/-2/-3/-4			
Insulation of wires length:	10 mm			
Max. cross resistance to printed circuit board:	10 mΩ ≅ 1 W / terminal (power dissipation)			
Max. current carrying capacity machine soldering:	16 A			
plug-in technology:	10 A			
Wire fastening soldering and plug-in technology:	captive plus-minus terminal screws M3.5 box-terminals with self-raising wire protection terminal strip removable separately			
plug-in technology:	max. 0,8 Nm			
Torque:				
Connection inside: machine soldering:	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 ≅ insulating material III a			IEC 60 664-1
Air gap and creepage distance:	≥ 3.3 mm			IEC 60 664-1
Type of protection:	Enclosure IP 40			IEC 60 529
	Terminals IP 20			IEC 60 529
	contact protection complies with VBG 4			
Print area machine soldering:	42 x 75 mm (on front plate)			
plug-in technology:	33 x 75 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. 210 g			
Net-weight:				
Accessories: ET 4720-1-2:	clips for screw fixing			

	clear	plug-in technology			solder techn. clear
		beige	grey	blue	
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	

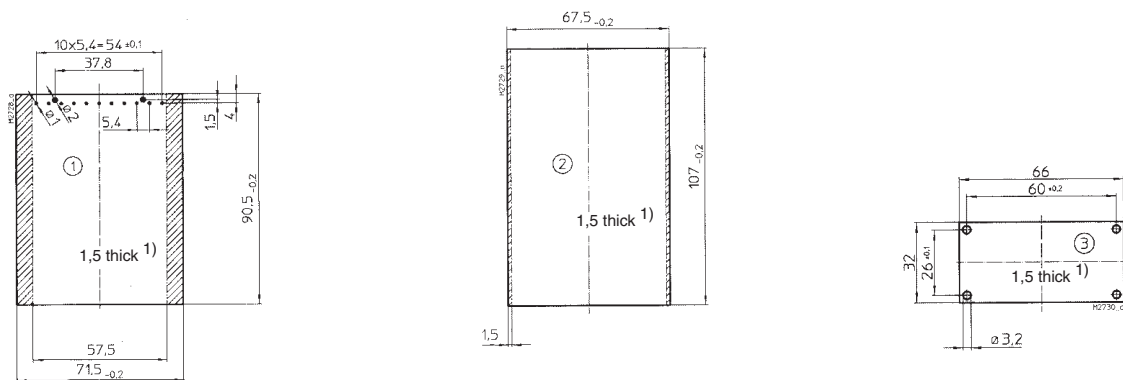
Machine solder technology



Dimensions



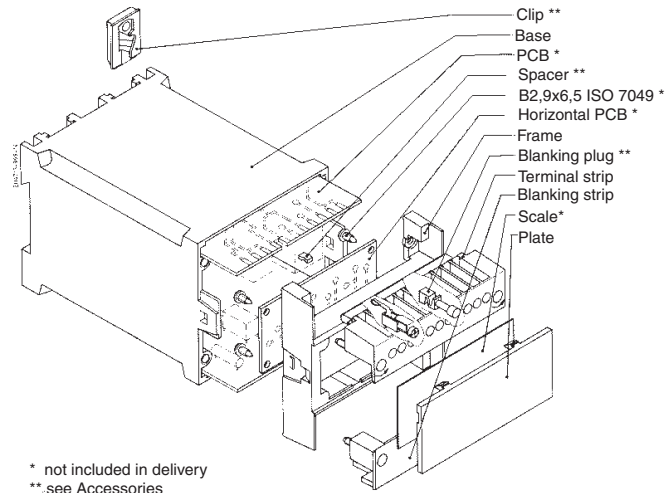
Printed circuit board design



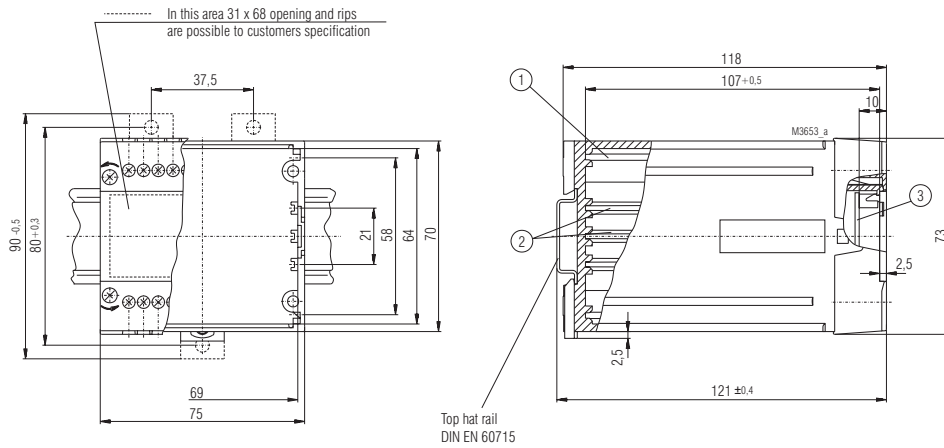
Inhibited surface

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

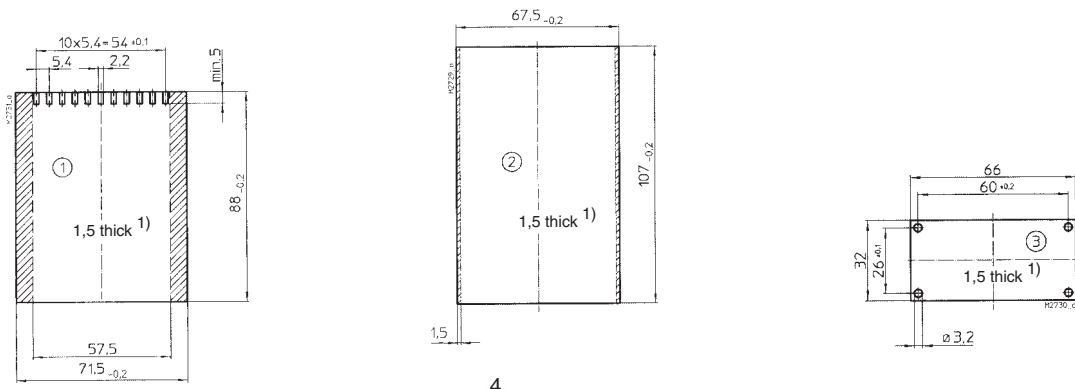
Plug-in technology



Dimensions



Printed circuit board design



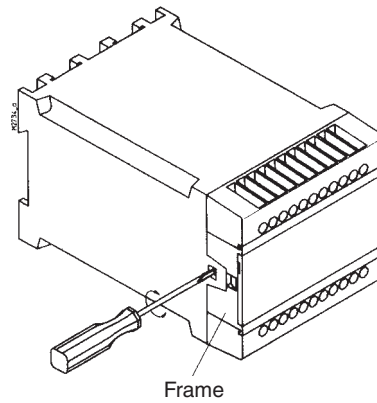
Inhibited surface

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

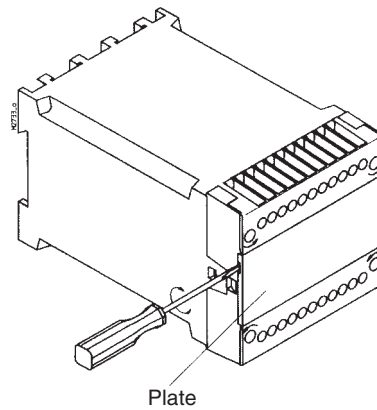
Notes on Housing Opening

Enclosure for solder technology

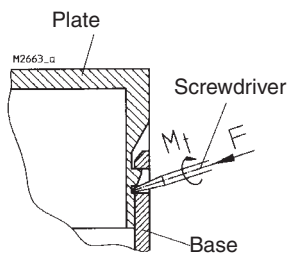
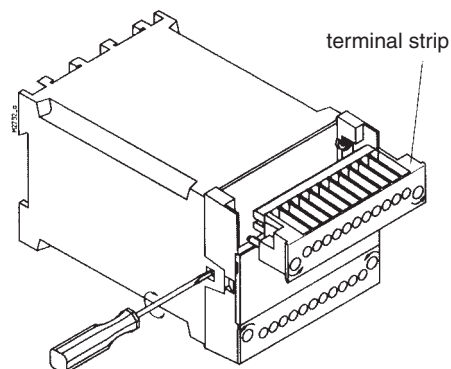
1. Tool
 - for all functions use 0,8 x 4,0 or 0,8 x 4,5 screwdriver
2. Removing of frame
 - Insert a screwdriver in the side recesses of the base (underneath)
 - With light pressure, turn the screwdriver to the left or right.
 - The snap-in lug of the frame disengages.
 - Repeat disengaging process on opposite side. The frame can be removed.



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.