Insulated Enclosure KO 4712 with box terminals

for machine soldering

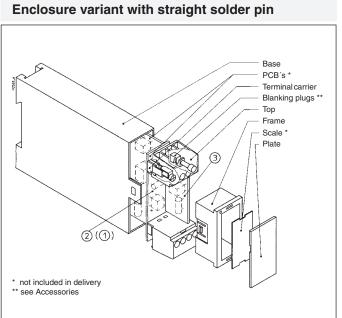


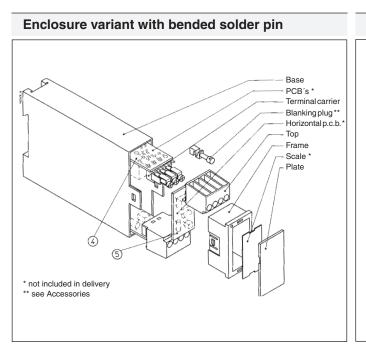
Technical data					
	Order references: Front colour				
3696	Solder pin straight: KO 4712. () KO 4712. () KO 4712. () KO 4712. ()				
	Solder pin bended: () KO 4712. () KO 4712. () KO 4712. () KO 4712. ()				
00D2	Solder lug: KO 4712. () KO 4712. () KO 4712. () KO 4712. ()				
	without terminals: KO 4712:				
	Outer dimensions: 2				
 Width 22.5 mm Max. 8 box-terminas with captive 	Enclosure material: F				
 plus-minus screws without terminals as option machine solderable connections 	Temperature stability: complying with UL 746 B: 1				
 changeable plate as option can be used for EExi complying 	complying with Vicat				
with EN 50 020	ISO 306 Meth. B: 1				
	compl.with ISO 75-2 Meth. A: 1 Meth. B: 1				
	Max. permitted power dissipation: 1				
	a Specific thermal resistance: F				
	Flame retardancy complying with UL 94: V complying with IEC 60 707: E				
	Number of terminals:				
	Terminal material:				
	max. cross section for e connection: e				
	Insulation of wires length: 1 Max. cross resistance to				
	printed circuit board: 1				
	Max. current carrying capacity: 1 Wire fasting:				
	t Torque:				
	Connection on PCB: s				
	Enclosure fastener:				
	Creepage current resistance: C Air gap and creepage distance: 2 Type of protection: E				
	Print area: 2				
	without terminals: 1 Printed circuit board: s				
	Printed circuit board holder: 0				
	Net-weight: 8 without terminals: 5				
	Accesories: ET 4720-1-2: 2 KO 4721-7-1.24: E				

rder references:							
ront colour		beige	light grey	blue	Enclosu	re variant	
			RAL 7035	RAL 5015	with		
older pin straight:		0040076	0041461	0041464	Front pla		
O 4712. O 4712.			0041461 0041462	0041464 0041465	Front pla Plate	ale	
4712.		0040077 0040078	0041463	0041466	Plate cle	ar	
older pin bended:			0040054				
O 4712. O 4712.		0043345 0043346	0043351 0043352	0043348 0043349	Front pla Plate	ate	
O 4712.		0043347	0043353	0043350	Plate cle	ar	
older lug:		0043523	0040500	0040500	E		
0 4712. 0 4712.) 4712.		0043526 0043527	0043529 0043530	Front pla Plate	ate	
O 4712.	4712.		0043528	0043531	Plate cle	ar	
ithout terminals: O 4712:		0046187 0046188 0046180					
0 47 12.	I	0046187 0046188 0046189					
uter dimensions:	22.5 x 73.5 x 118.2 mm						
closure material:	PC-GF, base black						
		front colour see table					
emperature stability:							
mplying with UL 746	125 °C						
mplying with Vicat							
O 306	Meth. B:	148 °C					
mpl.with ISO 75-2	Meth. A:	138 °C					
	Meth. B:	144 °C					
ax. permitted power dissipation: 12 W for stand-alone enclosure							
onific thermal regist	at normal climate 23/50-1 ISO 554						
ecific thermal resistance: Rth = 8 K / W for stand-alone enclosure							
mplying with UL 94: mplying with IEC 60	V-0; plate clear = V-2 BH 2-30						
umber of terminals:	optionally 0 to 8						
rminal material:	CuSn tin-plated						
ax. cross section for each 1 x 4 mm ² solid							
nnection:		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					
sulation of wires leng	gth:	10 mm					
ax. cross resistance	to						
nted circuit board:		10 mΩ					
ax. current carrying o	capacity:	16 A					
re fasting:		captive plus-minus terminal screws M3.5 box-terminals with self-raising wire protection					
rque:		max. 0.8 l					
onnection on PCB: solder pin: machine solderable solder pins solder tag: pin connection manuell					ins		
closure fastener:		Snap-on fastener on top hat rail or screw fixing M4 Raster 80 EN 50 022					
eepage current resis	stance:	CTI 175 ≘	insulating	material III	а	IEC 60 664-1	
r gap and creepage distance:		≥ 3.3 mm IEC 60 664-1					
pe of protection:	Enclosure IP 40IEC 60 529Terminals IP 20IEC 60 529						
				mplies with	VBG 4	IEC 00 529	
int area:		contact protection complies with VBG 4 22.5 x 43 mm (on front plate)					
thout terminals:		17 x 65 mm (on front plate)					
inted circuit board		see printed circuit design					
inted circuit board he	older:	Guide ribs on all sides					
et-weight: thout terminals:		85 g 55 g					
cesories:		y					
4720-1-2:							
0 4721-7-1.24:		Bianking p	olug clear				

All specifications correspond to the technology used at time of publication. We reserve the right to make improvements and changes of a technical naturre at any time.

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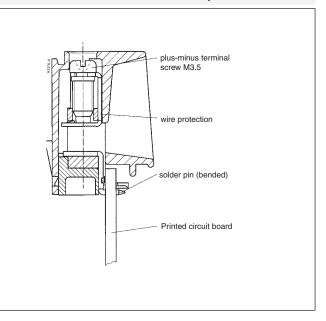




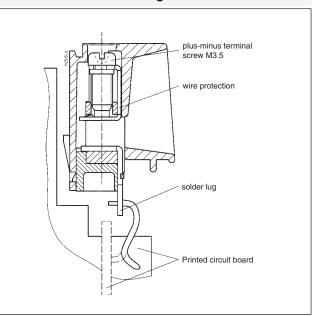
Printed circuit board solder pin (straight)

Box terminal with straight solder pin

Box terminal with bendend solder pin



Box terminal with solder lug



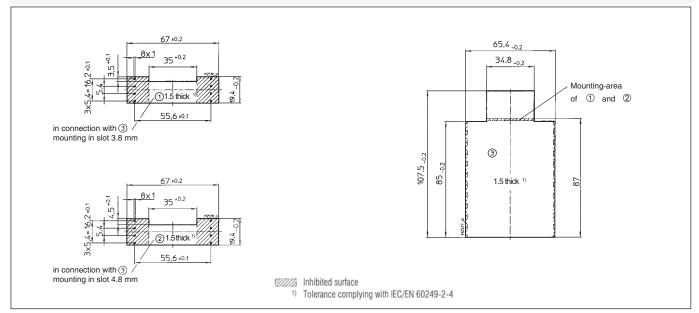
Base PCB's * Blankingplug** Terminal strip Frame Scale * Plate

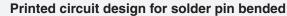
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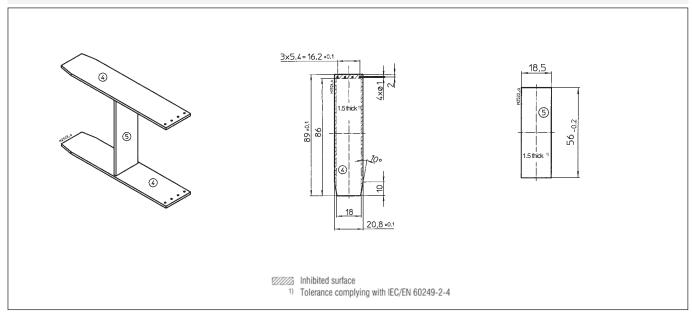
* not included in delivery ** see Accessories

Enclosure variant with solder lug

Printed circuit board design for solder pin straight



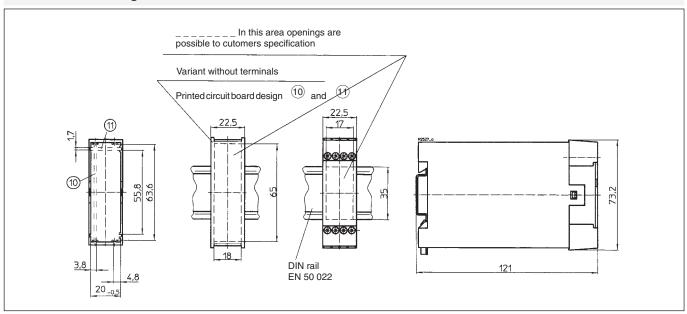


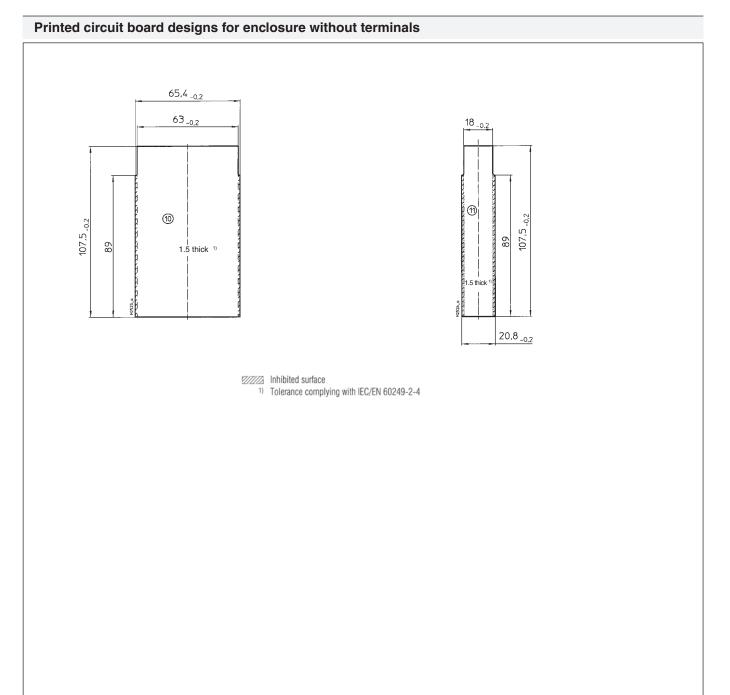


Printed circuit board design for solder lug



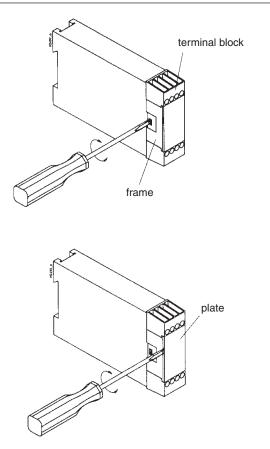
Dimension drawings





Notes on Housing Opening Installation

- 1. Tool
 - for all functions use 0.8 x 4.0 or 0.8 x 4.5 screwdriver
- 2. Removing of frame and terminal blocksInsert a screwdriver in the side recesses of the hood (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 terminal blocks can be removed.



- 3. Removing the plate
 - Insert a screwdriver in the side recess of the plate
 - Turn the screwdriver to the right or left.
 - The plate disengages and can be removed.

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