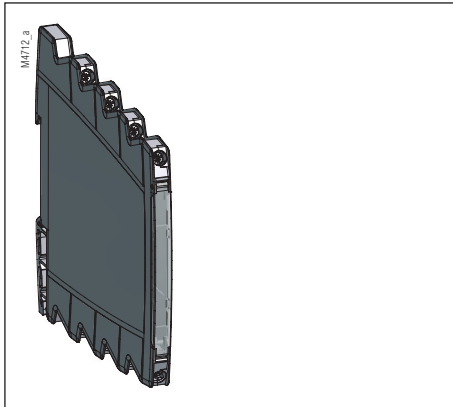


Insulated Enclosure KS 4460

with fixed integrated screw terminals



Approvals and Markings



Your Advantages

- Different installation positions of the pcb are possible
- Simple and cost-effective pcb assembly
- Installation height for components up to 5,1 mm
- Fast assembly of the enclosure parts by snap-in installation
- Plenty of space for individual laser markings
- Simple contact with the terminals for testing and measuring purposes through test ports in the terminal area
- Practical wiring due to accessibility of the terminal positions
- Compact enclosure with 6,2 mm width offers a high packing density in the switch cabinet
- Large pcb area

Features

- Optional openings on the side or front for components, indicating and operating elements
- Hinged front panel (also available with snap-in marking plate)
- Screw connection system for conductors up to 2,5 mm²
- 8 connections, tightly integrated on 4 tiers
- Optionally with InRailBus for a quick and reliable transmission of data and energy
- Different colours on request

Technical Data

Designation	Colour	Order references	Version
Enclosure casing	light grey	-01-01.100 03	Standard
	black	-01-01.100 00	Standard
Enclosure casings, mounted with 8 terminals	light grey	KS4460-	1), A)
	black		1), A)
	light grey		1), B)
	black		1), B)
	light grey		A)
	black		A)
Front plate	transparent	-03-001 1 16	with provision for marking plate
		-03-002 1 16	solid

1) with opening for spring contact block; A) Pin length 4.4 mm; B) Pin length 3.65 mm

Outer dimension:	6.2 x 96.4 x 106.1 mm
Enclosure material:	PA, black RAL 9011, light grey RAL 7035 other colours on request
Front plate material:	PC, transparent; other colours on request
Marking plate: (option):	PA, white

Temperature stability	PA	PC
complying with UL 746 B:	105 °C	115 °C
compl. with Vicat (B50)	230 °C	140 °C
ISO 306 (B120) Meth. B:		141 °C
compl. with ISO 75-2 (1,8 MPa):	75 °C	122 °C
(0,45 MPa):	215 °C	133 °C

Specific thermal resistance:

individual module:	$R_{th} = 32.5 \text{ K/W}$
20 mm distance:	$R_{th} = 14.3 \text{ K/W}$
100 mm distance:	$R_{th} = 11.5 \text{ K/W}$

Flame retardancy	PA	PC
complying with UL 94:	V-0	V-2
Number of terminals:	8	
Material / connection plate:	CuFe2P, tin-plated	
Cross section:	0.5 - 2.5 mm ² solid 0.5 - 2.5 mm ² stranded ferruled DIN 46 228-1/-2/-3/-4	

Wire stripping or sleeve length:	8 mm
Fixing torque:	max. 0.6 Nm
Wire fastening:	captive plus-minus-terminal screws M3.5 with self raising terminal box

Max. contact resistance to printed circuit board:	10 mΩ
Max. current carrying capacity:	10 A
Inner connection:	solder pin (selective- wave soldering with partial covering, selective soldering with mini wave or hand soldering)
Enclosure mounting:	Snap-on fastener on top hat rail IEC/EN 60 715

Creepage resistance:	PC CTI $\hat{=}$ 275 insulating material IIIa PA CTI $\hat{=}$ 600 insulating material I
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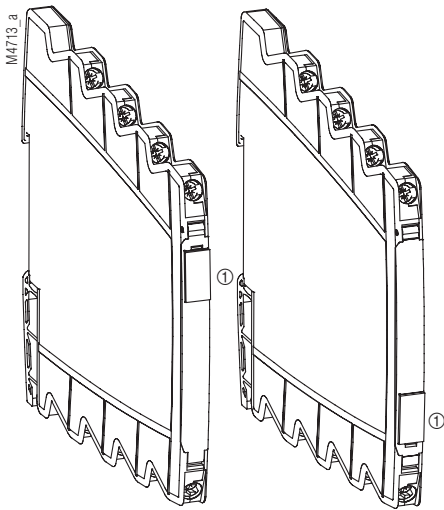
Air gap and creepage distance:	$\geq 5.5 \text{ mm}$	IEC 60 664-1
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Type of protection		
Enclosure:	IP 40	IEC 60 529
Terminal strip:	IP 20	IEC 60 529

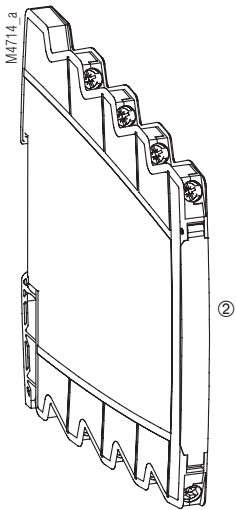
Print area:
contact protection complies with BGV A3
approx. 5 x 50 mm (on front)
minus marking plate approx. 5 x 10 mm

Printed circuit board area:
Printed circuit board: see printed circuit board design
Printed circuit board holder: enclosure geometry and connection terminals

Accessories

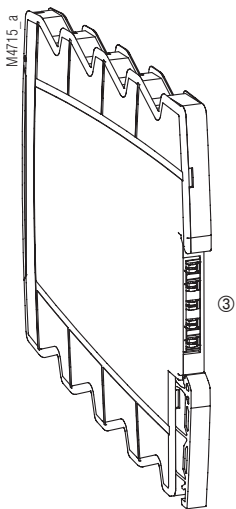


① Marking plate



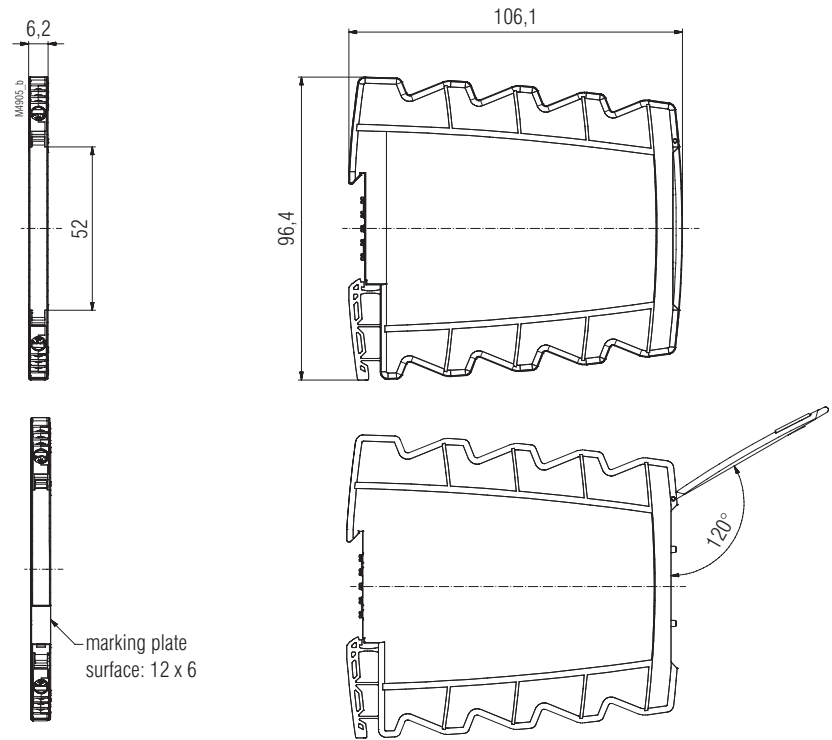
② Solid front plate

In-Rail-Bus



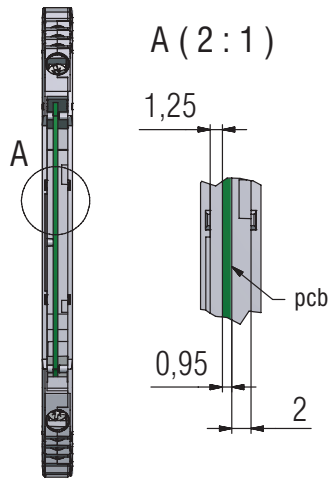
③ see separate datasheet

Dimensions standard enclosure KS 4460 (IP 40)

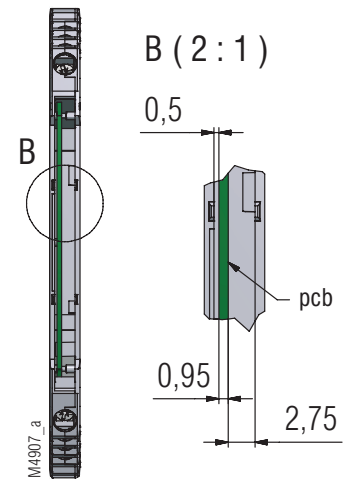


Position of the pcb in the enclosure:

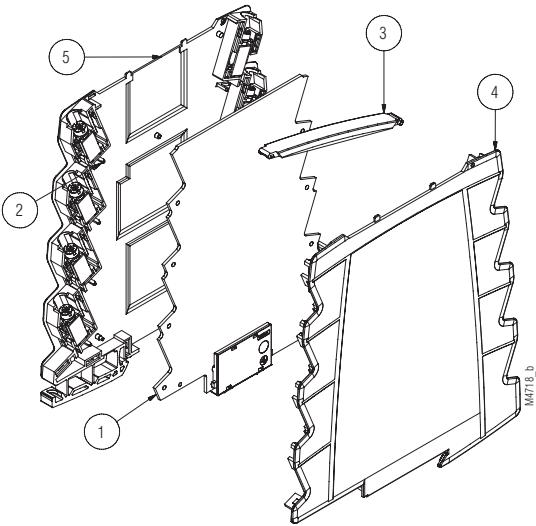
Type A
-Standard-



Type B



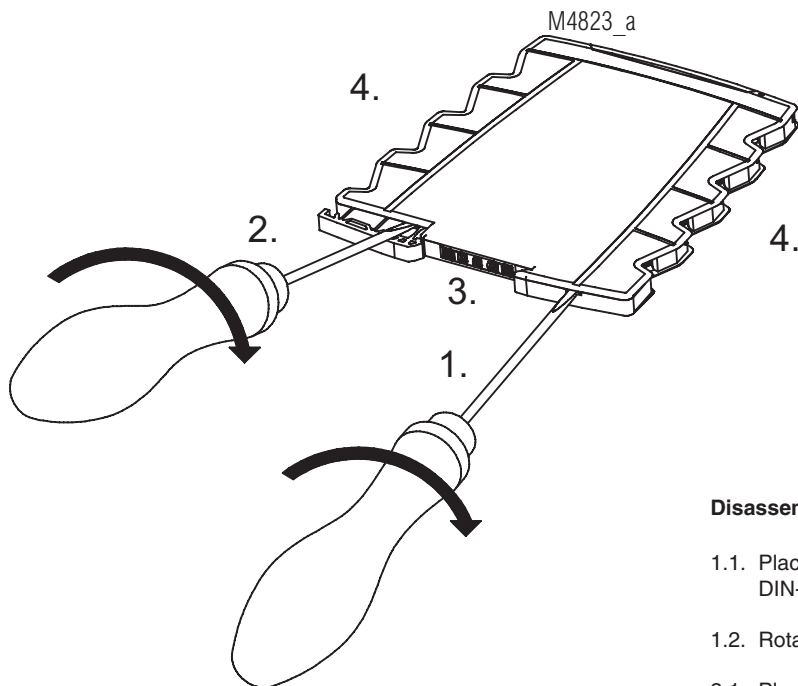
Notes on housing assembly



Assembly of enclosure

1. Position the pcb and place it in the enclosure casing with terminals
2. Solder the pins of the terminals with the pcb
3. Place the enclosure front and close it
4. Put on the enclosure casing and align it
5. Close the casings until they snap together

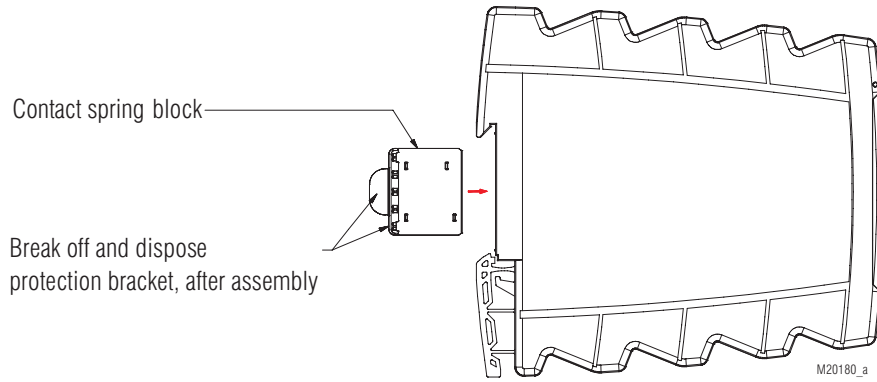
Notes on housing disassembly



Disassembly of enclosure

- 1.1. Place the screwdriver in the slot located on the DIN-rail hanger.
- 1.2. Rotate the screwdriver to loosen the snap connections
- 2.1. Place the screwdriver in the slot located on the clip
- 2.2. Rotate the screwdriver to loosen the snap connections
3. Use the screwdriver to loosen all other snappings in the bottom area
4. Use the screwdriver to loosen all other snap connections

Installation for pluggable contact spring block



A (10 : 1)

