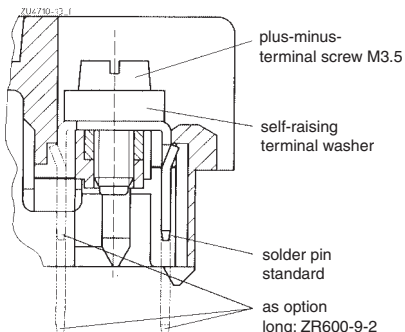# Insulated Enclosure K70/100A
with flat terminals
for solder connection

- Width 100 mm
- Max. 20 plus-minus-terminal screws with self raising terminal washers
- PCBs are easy to install because of guiding ribs
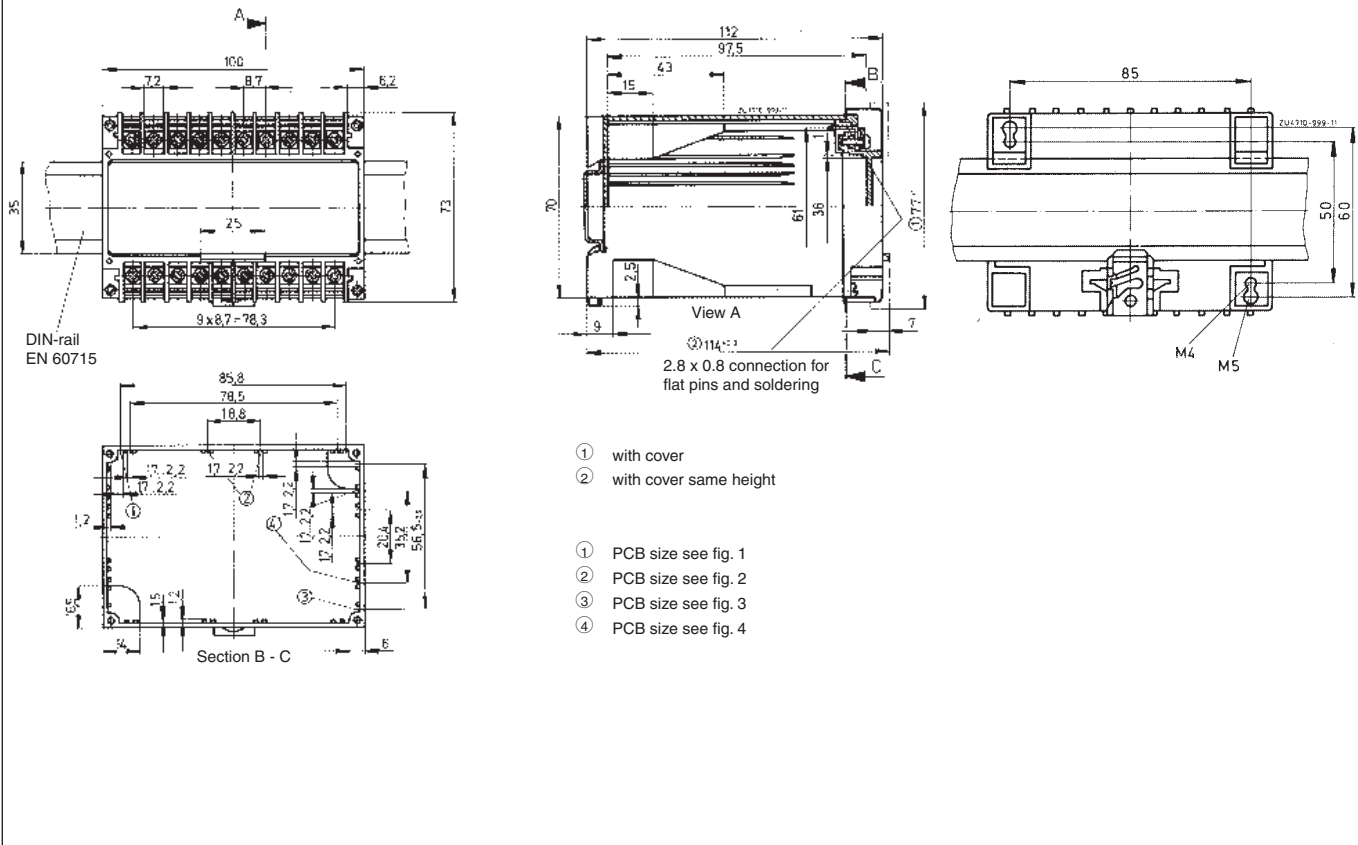- Terminal cover for contact protection complies with VBG 4 as option
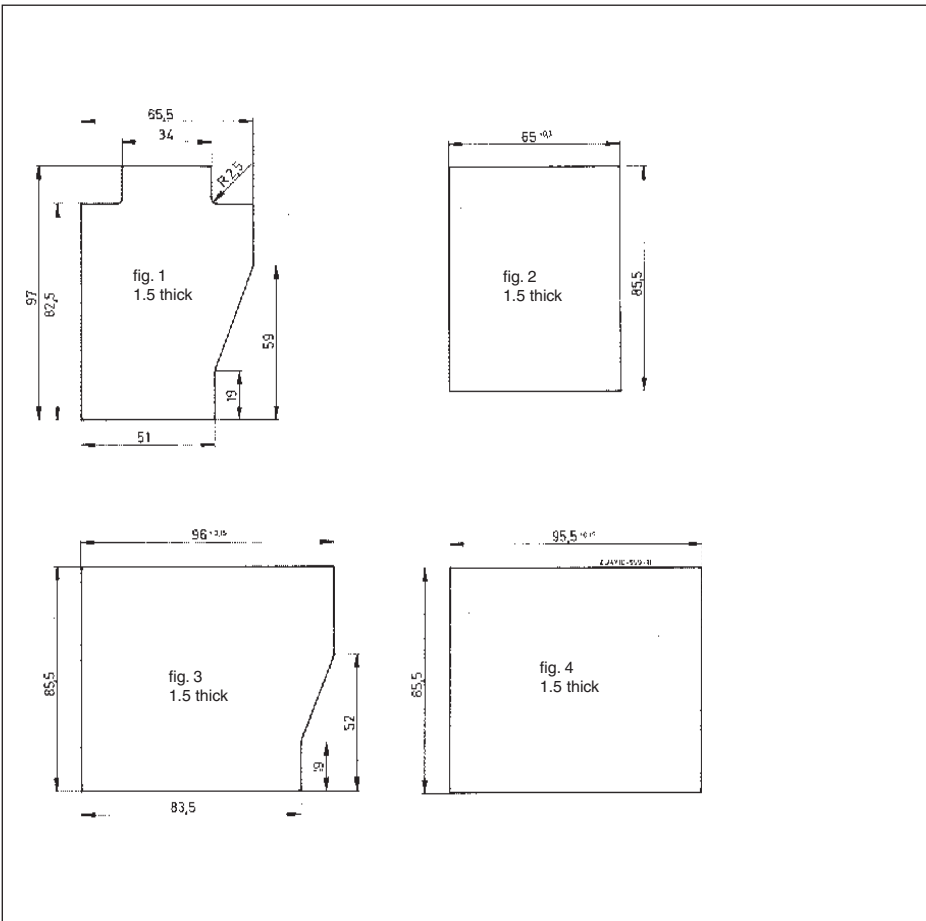

Flat terminal for soldered connection

Technical Data

Order reference:	K70/100A 112-20
Outer dimensions:	100 x 74 x 112 mm
with cover:	100 x 78 x 112 mm
Enclosure material:	PC-GF light grey RAL 7035 (other colour on request)

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

Max. permitted power dissipation: at normal climate 23 / 50-1   ISO 554

Enclosure gap	max. power dissipation P_v
0 mm	23 W
16 mm	26 W
∞	29 W

Flame retardancy complying with IEC 60707:	BH 2-30
Number of terminals:	20, < 20 on request
Terminal material:	Steel strip, tin-plated
Max. cross section for connection:	2 x 2.5 mm² solid or 2 x 1.5 mm² stranded ferruled DIN 46228-1/-2/-3/-4
Insulation of wires length:	10 mm
Max. current carrying capacity:	25 A
Wire fastening:	Plus-minus-terminal screws M3,5, with self-raising terminal washers or faston connector on request
Torque:	max. 0.8 Nm
Inner connection:	Solder connection resp. male conntector for sleeve B 2.8 complying with DIN 46247-1 (numbered inside)

Enclosure fastener:	1)	Snap-on fastener on top hat rail EN 60715
	2	Screw fixing
	2.1)	Distance between M4-screws 35 x 50
	2.2)	Distance between M5-screws 35 x 60

Creepage current resistance		
PC:	CTI 175 ≙ insulating material III a	IEC 60664-1
PC:	CTI 450 ≙ insulating material II	IEC 60664-1

Air gap and creepage distance: ≥ 5.0 mm   IEC 60664-1

Type of protection		IEC 60529
Enclosure:	IP 40	
Terminal board:	IP 10 (with terminal cover IP 20 and contact protection complies with VBG 4)	

Print area:	35.5 x 95 mm
Printed circuit board:	see printed circuit design
	1) * - 52.5 cm²
	2) * - 55.5 cm²
	3) * - 81 cm²
	4) * - 81 cm²
	* see drawing on the back
Printed circuit board holder:	Guide ribs on all sides

Accessories:	
K70/100-0-16:	Terminal cover
K70/150-0-48:	Blanking plug

Dimensions

DIN-rail
EN 60715

View A

2.8 x 0.8 connection for
flat pins and soldering

Section B - C

① with cover
② with cover same height

① PCB size see fig. 1
② PCB size see fig. 2
③ PCB size see fig. 3
④ PCB size see fig. 4

M4

M5

Printed circuit board design

fig. 1
1.5 thick

fig. 2
1.5 thick

fig. 3
1.5 thick

fig. 4
1.5 thick

Accessories

Terminal cover

Blanking plug

Blanking plug