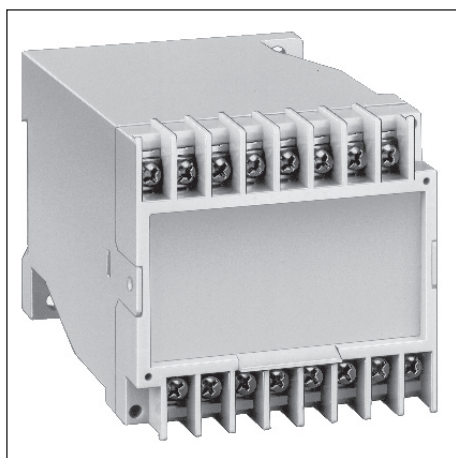# Insulated Enclosure K70/075A
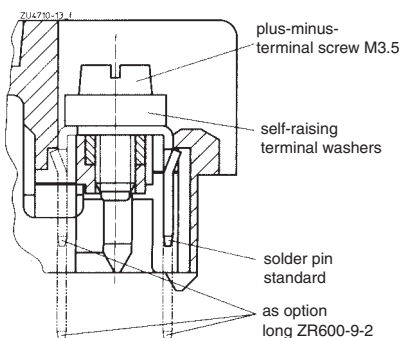## with flat terminals
for plug-in technology

- Width 75 mm
- Max. 16 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
- a base section for this enclosure is also available without screw fixing recesses e.g. suitable for DIN-rail mounting only
- Changeable Plate as option
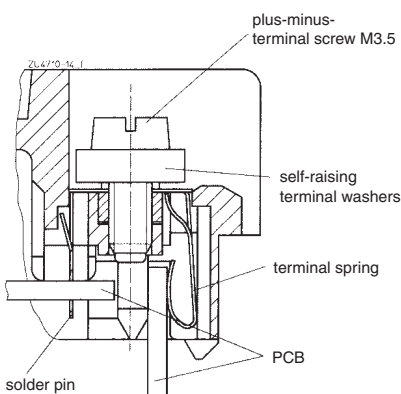
Flat terminal for plug-in technology

Flat terminal for soldered connection on request

Technical Data

Order reference:	K70/075A 112-16
Outer dimensions: with cover:	75 x 73 x 112 mm 75 x 77 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	20 W

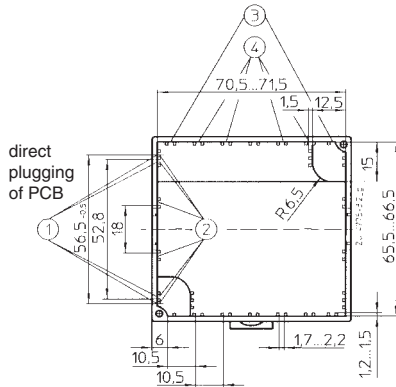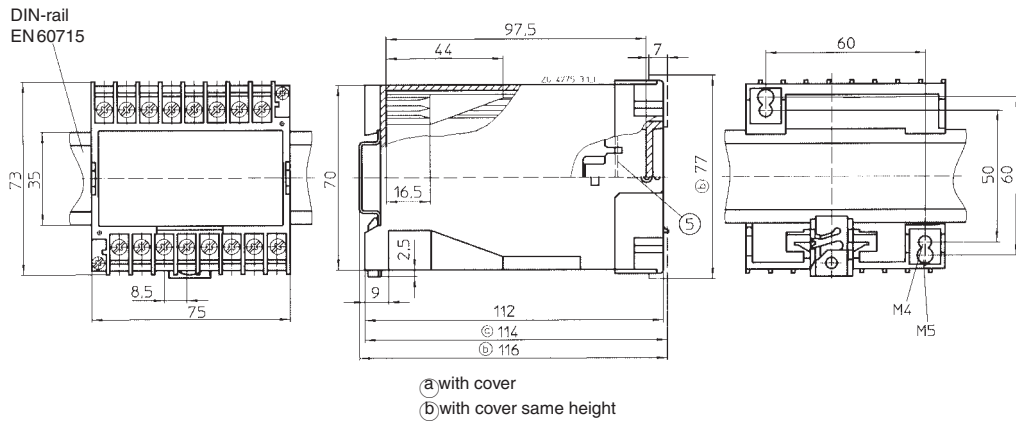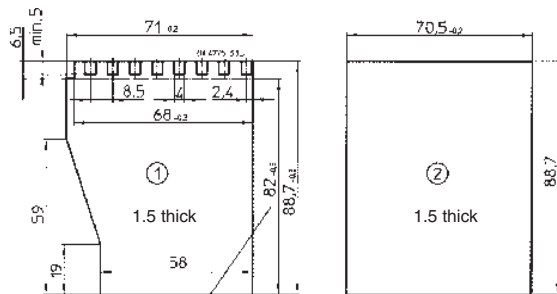|	
Flame retardancy complying with UL 94: complying with IEC 60707:	V-0 BH 2-30
Number of terminals:	16, < 16 on request
Terminal material:	CuSn6, fire tin-plated
Max. cross section for connection:	2 x 2.5 mm² solid or 2 x 1.5 mm² stranded ferruled DIN 46228-1/-2/-3/-4
Insulation of wires length:	10 mm
Max. contact resistance to printed circuit board: Max. current carrying capacity:	10 mΩ } $\cong$ 1 W / terminal (Power dissipation) 10 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:	Direct plugging of printed circuit board (numbered inside) or soldered connection for sleeve B 2.8 complying with DIN 46247-1
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
Kriechstromfestigkeit PC: PC:	CTI 175 $\cong$ insulating material III a IEC 60664-1 CTI 450 $\cong$ insulating material II IEC 60664-1
Air gap and creepage distance:	$\geq$ 4.0 mm IEC 60664-1
Type of protection Enclosure: Terminal board:	IEC 60529 IP 40 IP 10 (with terminal cover IP 20 and contact protection complies with VBG 4)
Print area:	68 x 36 mm
Printed circuit board:	see printed circuit design 1) * - 53 cm² 2) * - 58.5 cm² 3) * - 52.5 cm² 4) * - 53.5 cm² 5) * - 30.3 cm² * see drawing on the back
Printed circuit board holder:	Guide ribs on the small side
Accessories: K70/75-0-3: K70/150-0-48: K70/150-0-69:	Terminal cover Blanking plug for part insertion spacer for PCB coding

Dimensions

DIN-rail
EN 60715

97,5
44
7
60
2L 475 711
16,5
50
60
73
35
70
77
8,5
75
9
2,5
112
© 114
ⓑ 116
M4
M5

ⓐ with cover
ⓑ with cover same height

③
④
70,5...71,5
1,5 12,5
direct plugging of PCB
56,5 -0,5
52,8
18
①
②
R6,5
2L 475 711
65,5...66,5
15
6
10,5
10,5
1,7...2,2
1,2...1,5

Printed circuit board design

6,5
min. 5
71 ±0,2
2L 475 53...
8,5 4 2,4
68 ±0,3
82 ±0,3
88,7 ±0,3
59
19
①
1.5 thick
58

free surface for component assembly

70,5 ±0,2
88,7
②
1.5 thick

65,5
34
R2,5
97
82,5
③
1.5 thick
51
6
59

65 ±0,3
82,5
④
1.5 thick

6,85
1,6
5
1.5 thick
42,3
45
1,15
8,5
67,5

Accessories

12,5
2
5,8
75
2L 475-2,0
20,4