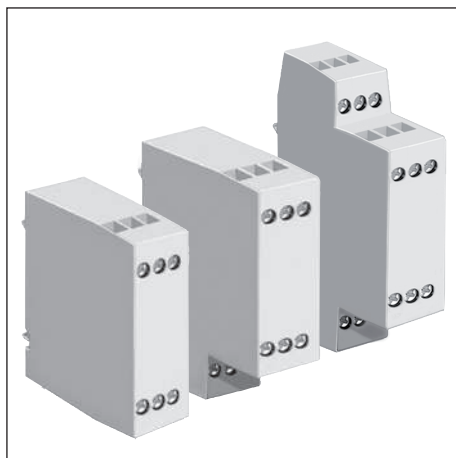
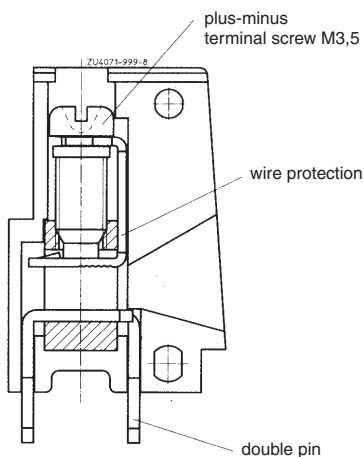


# Insulated Enclosure KO 4074, KO 4075, KO 4076 with box-terminals for machine soldering

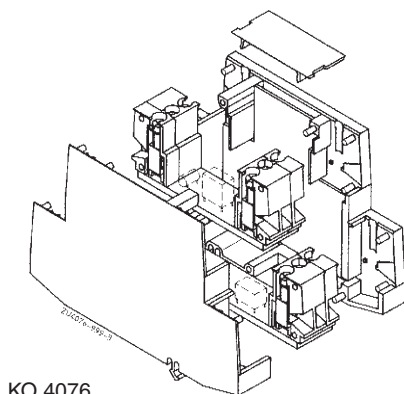


- Width 20.5 mm
- Optionally max. 6, 9 or 12 captive plus-minus-terminal screws
- Mounting of pcb
- With machine solderable double pins
- Optionally with long soldering pin (see drawing "Inner connection")
- Optionally with Wechselfront

Supplied unassembled, in kit form.



Box-terminals with machine-solderable double pins



KO 4076

## Technical Data

Order reference:

|                                             |                 |                 |                 |
|---------------------------------------------|-----------------|-----------------|-----------------|
| Insulated Enclosure with double pin         |                 |                 |                 |
| without fixed front plate:                  | KO 4074.0037227 | KO 4075.0037228 | KO 4076.0037229 |
| with opaque removable front plate           | KO 4074.0039211 | KO 4075.0039215 | KO 4076.0039217 |
| with clear removable front plate            | KO 4074.0039212 | KO 4075.0039216 | KO 4076.0039218 |
| Insulated Enclosure with long soldering pin |                 |                 |                 |
| without fixed front plate:                  | KO 4074.0037356 | on request      | on request      |
| with opaque removable front plate           | KO 4074.0039213 | on request      | on request      |
| with clear removable front plate            | KO 4074.0039214 | on request      | on request      |

**Outer dimensions:**

|         |                   |
|---------|-------------------|
| KO 4074 | 20.5 x 60 x 60 mm |
| KO 4075 | 20.5 x 75 x 60 mm |
| KO 4076 | 20.5 x 90 x 60 mm |

Enclosure material: PC-GF, light grey RAL 7035

|                               |        |
|-------------------------------|--------|
| 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: at normal climate 23/50-1  
3 W | 3 W | 3 W ISO 554

Flame retardancy  
complying with UL 94: V-0  
complying with IEC 60 707: BH 2-30

**Number of terminals**

|          |    |                   |
|----------|----|-------------------|
| KO 4074: | 6  | } less on request |
| KO 4075: | 9  |                   |
| KO 4076: | 12 |                   |

Terminal material: CuSn tin-plated

Max. cross section for connection: 4 mm<sup>2</sup> solid  
2.5 mm<sup>2</sup> stranded ferruled  
2 x 1.5 mm<sup>2</sup> stranded ferruled  
1.5 mm<sup>2</sup> stranded ferruled  
DIN 46 228-1/-2/-3  
DIN 46 228-1/-2/-3  
DIN 46 228-4

Insulation of wires length: 8 mm

Max contact resistance to  
Printed circuit board: 10 mΩ  
Max. current carrying capacity: 16 A

Wire fastening: captive plus-minus-terminal screws M3.5  
Box terminals with self-raising wire protection

Torque: max. 0.8 Nm

Inner connection: machine solderable double pins for PCB  
optionally with long soldering pin

**Enclosure fastener:** Snap-on fastener on top hat rail EN 50 022

Tracking current resistance: CTI 175 ≧ insulating material III a IEC 60 664-1

**Air gap and creepage distances:** ≧ 3.3 mm

Type of protection  
Enclosure: IP 40 IEC 60 529  
Terminal strip: IP 20 IEC 60 529  
contact protection complies with VBG 4

Print area: 33 x 19 mm

**Printed circuit board horizontal**

|        |                     |                      |                      |
|--------|---------------------|----------------------|----------------------|
| top    | 8,1 cm <sup>2</sup> | 8,1 cm <sup>2</sup>  | 8,1 cm <sup>2</sup>  |
| bottom | 8,7 cm <sup>2</sup> | 10,8 cm <sup>2</sup> | 12,9 cm <sup>2</sup> |

**Printed circuit board vertical** 23,0 cm<sup>2</sup> | 23,0 cm<sup>2</sup> | 23,0 cm<sup>2</sup>

Printed circuit board holder  
horizontal: Guide ribs in enclosure  
vertical: 2 cylindrical M2x3 ISO 1207  
(not included in delivery)

**Net weight** 33 g | 45 g | 60 g

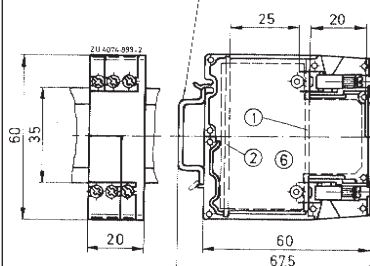
**Accessories:**

KO 4074-2.1: Terminal block with single solder pins, on request  
KO 4074-2.2: Terminal block with solder lugs, on request  
KO 4074-2.3: Terminal block with double pins  
KO 4074-2.4: Terminal block with long solder pins  
KO 4721-1.6: Blanking plug for part insertion

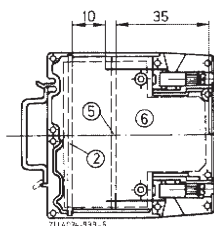
## Dimensions

KO 4074.0037227  
with double pin

DIN-rail EN 50 022

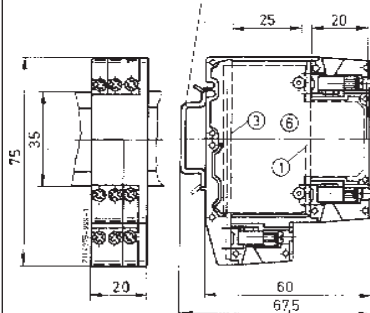


KO 4074.0037356  
with long soldering pin



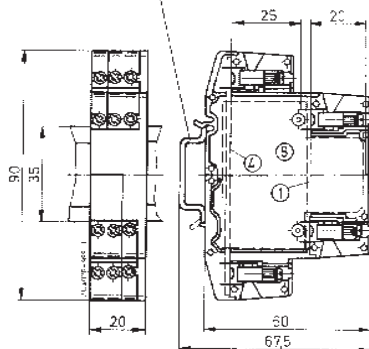
KO 4075.0037228  
with double pin

DIN-rail EN 50 022

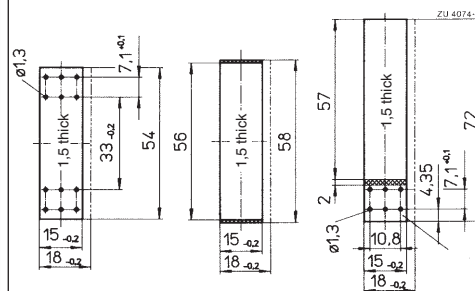


KO 4076.0037229  
with double pin

DIN-rail EN 50 022



## Printed circuit board design



f KO 4074/75/76

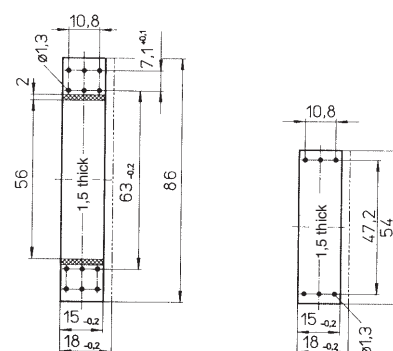
①

f KO 4074

②

f KO 4075

③



f. KO 4076

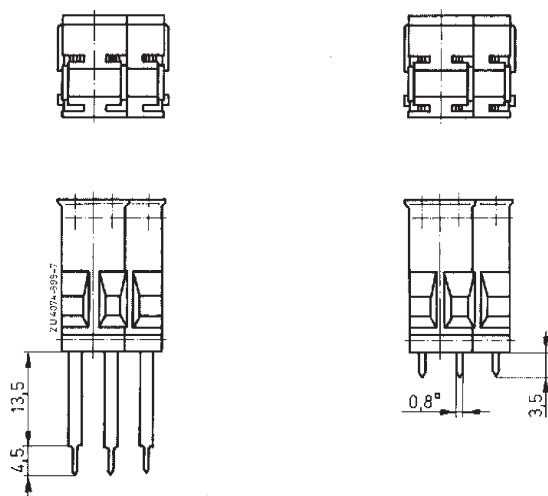
④

f KO 4074 with solder pin

⑤

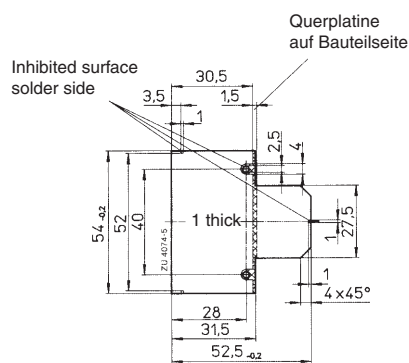
 both sides  
free of  
components

## Inner connection



KO 4071-2.4  
long solder pins

KO 4071-2.3  
double pins



f. KO 4074/75/76/77/78/79

⑥

If ⑥ not used

① - ⑤: 15<sub>0.2</sub> becomes 18<sub>0.2</sub>