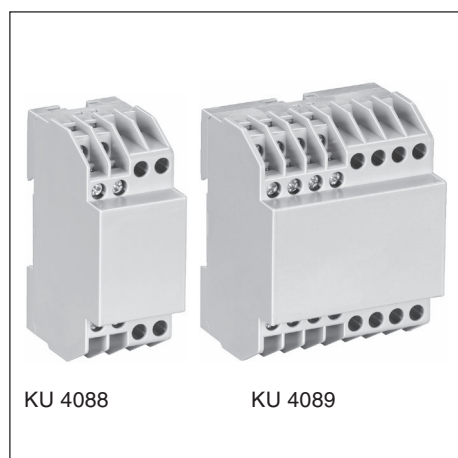
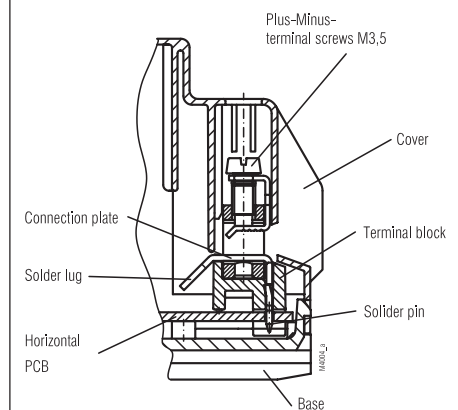


Insulated Enclosure KU 4088 KU 4089

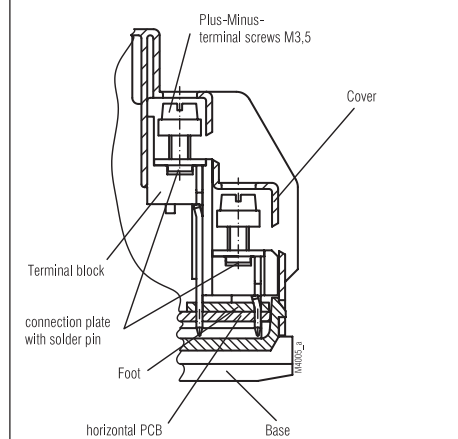
to DIN 43 880 for installation in distribution cabinets or surface mounting, with high current terminals and flat terminals



- Width 35 mm; 70 mm
- KU 4088 with max. 4 high current terminals and 8 flat terminals.
- KU 4089 with max. 8 high current terminals and 16 flat terminals.
- High current terminals for horizontal PCB or without PCB
- Machine soldered connections
- Housing supplied as single parts, terminals prefitted in terminal blocks



High current terminal for horizontal PCB



Flat terminal for horizontal PCB

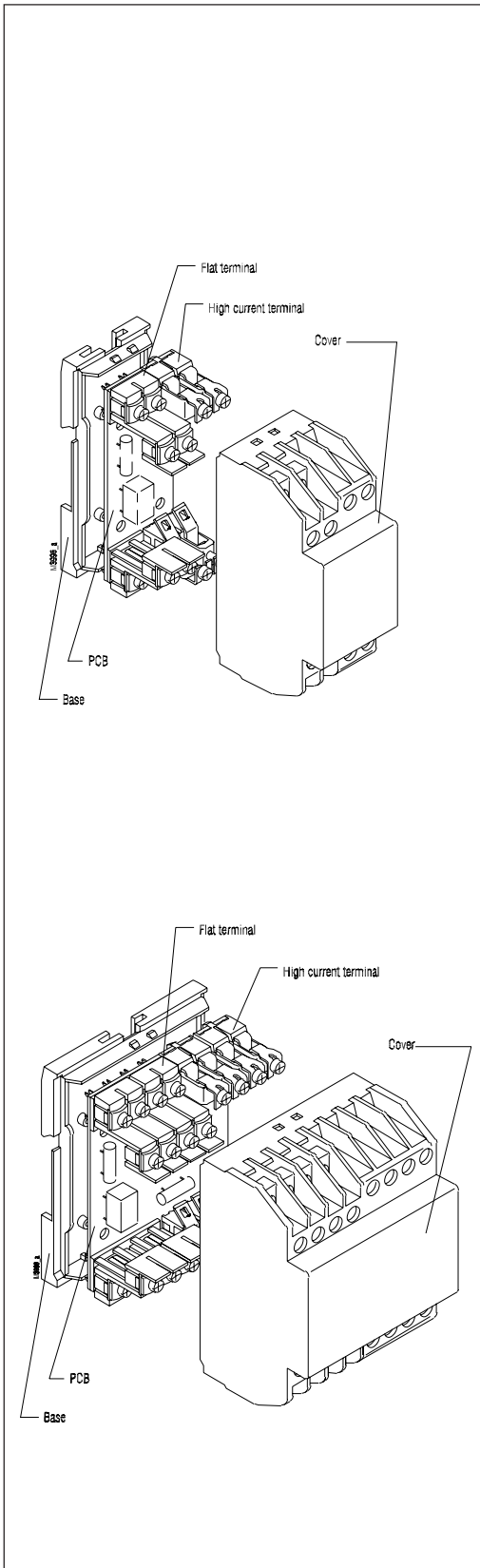
Technical Data

Order references	KU 4088.0054418 KU 4089.0054419	
horizontal PCB:		
vertical PCB:	KU 4088.0054447 KU 4089.0054448	
Outer dimensions:	35 x 90 x 58 mm / 70 x 90 x 58 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
complying with ISO 75-2	Meth. A:	138 °C
	Meth. B:	144 °C
Max. permitted power dissipation:	4,5 W; 8 W for stand alone enclosure at normal climate 23/50-1	ISO 554
Specific thermal resistance:	$R_{th} = 12 \text{ K / W}$; $R_{th} = 8 \text{ K / W}$ for stand alone enclosure	
Flame retardancy	V-0	
complying with UL 94:	BH 2-30	
complying with IEC 60 707:		
Number of terminals:		
KU 4088:	4 High current terminals, part insertion, on request 8 Flat terminals, part insertion, on request	
KU 4089:	8 High current terminals, part insertion, on request 16 Flat terminals, part insertion, on request	
	High current terminals	Flat terminals, standard
Terminal material:	E - Copper, tin-plated	steel strip, tin-plated
Max. cross section for connection:	1 x 10 mm ² solid	2 x 2,5 mm ² solid 2 x 1,5 mm ² stranded ferruled DIN 46 228-1/-2/-3
	1 x 6 mm ² stranded ferruled 12 mm large DIN 46 228 not B	2 x 1 mm ² stranded ferruled DIN 46 228-4
Min. cross section for connection:	≥ 1 mm ² solid ≥ 0,5 mm ² stranded ferruled	1 x 0,3 mm ² solid or 1 x 0,5 mm ² stranded ferruled DIN 46 228-1/-2/-3/-4
Insulation of wires:	11 mm	
Max. contact resistance to printed circuit board:	10 mΩ	
Max. current carrying capacity:	50 A	
Wire fastening:	Captive Plus-minus-terminal M4	Captive Plus-minus-terminal M3,5
	Box terminal with self raising wire protection Function complies with IEC 60 999-1	with self raising terminal washers Function complies with IEC 60 999-1
Require tool:	Screwdriver	ISO 2380-1
	Screwdriver	ISO 8764-Z
Inner connection:	Machine solderable terminal blocks for PCB, high current terminal with lugs for solder connection with stranded	
Enclosure fastener:	1) Snap-on fastener on top hat rail EN 50 022 2) Screw fixing M4, grid 90 mm with additional clip as accessory	
Creepage current resistance:	Insulated group III a	IEC 60 664-1
Air gap and creepage distances	IEC 60 664-1	
High current terminals:	Out: ≥ 8,0 mm; in: ≥ 5,0 mm	
Flat terminals		
vertical PCB:	Air gap: ≥ 4,0 mm; Creepage: ≥ 6,3 mm	
horizontal PCB:	≥ 3,2 mm	
Type of protection		
Enclosure:	IP 40	IEC 60 529
Terminals:	IP 20	IEC 60 529
	Contact protection complies VBG 4	

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

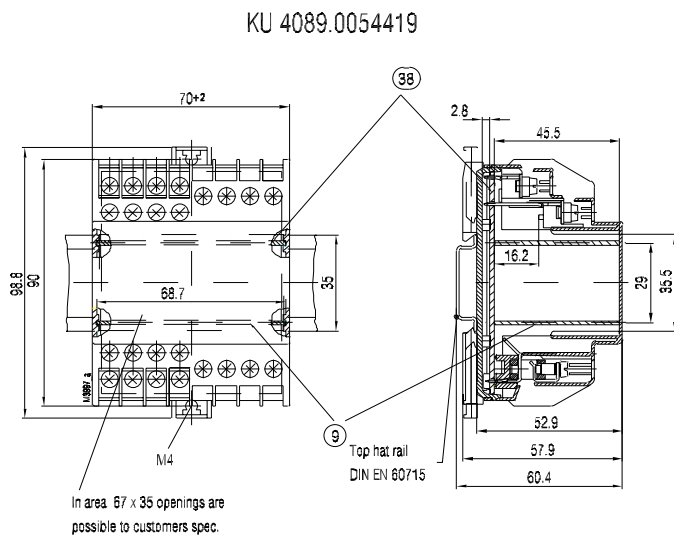
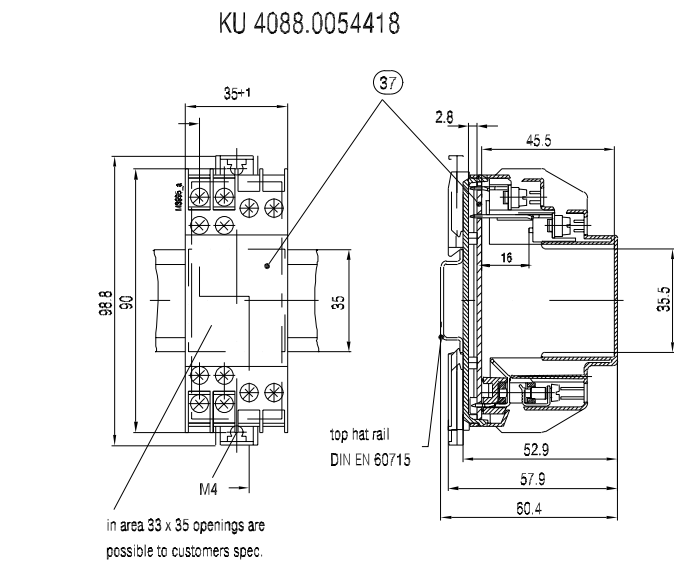
Print areas:	33 x 42 mm / 67 x 42 mm, on the front
Printed circuit board:	see printed circuit board design
Printed circuit board holder:	Fixing eyes in the lower section of enclosure resp. guide ribs in the base
Net weight:	82 g; 150 g
Accessories:	
ET 4086-0-2:	Second clip for screw fixing
KU 4087-0-2:	Blanking plug for flat terminal
KU 4087-21-3:	Blanking plug for high current terminal
Special version, on request:	e. g. openings in the front

Exploded view

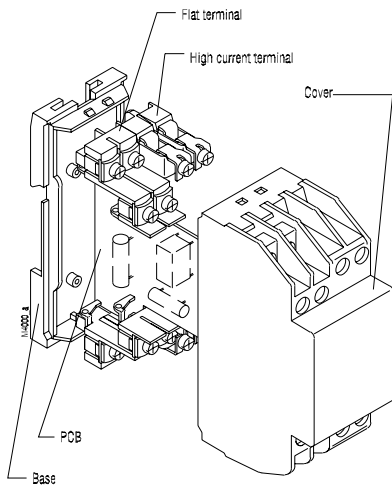


Dimensions Enclosure for horizontal PCB

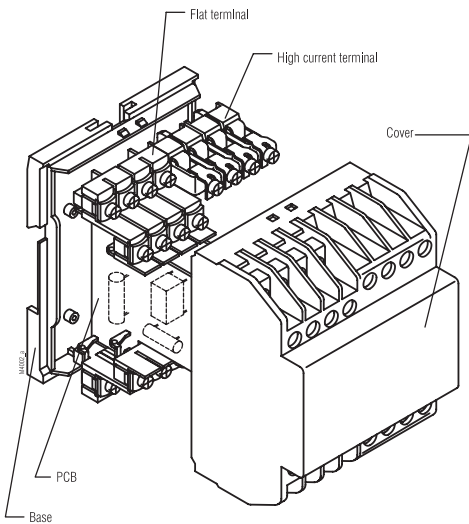
PCBs not included in deliveries



Exploded view



with 1 vertical PCB

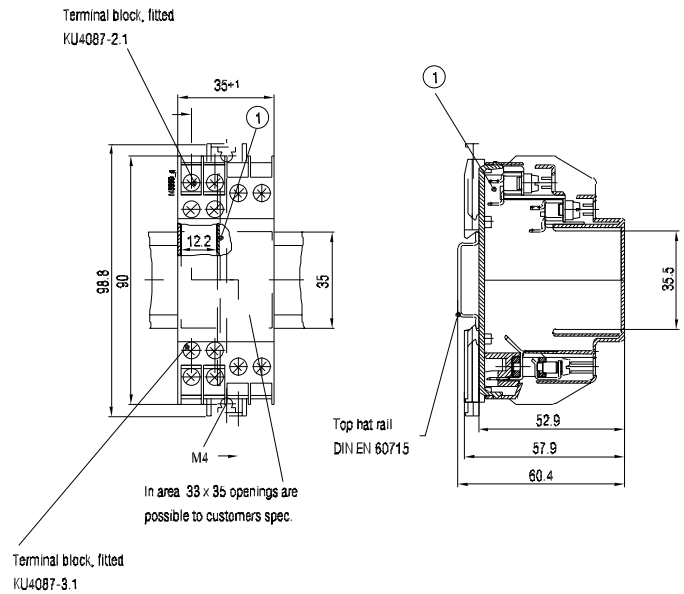


with 2 verticals PCB

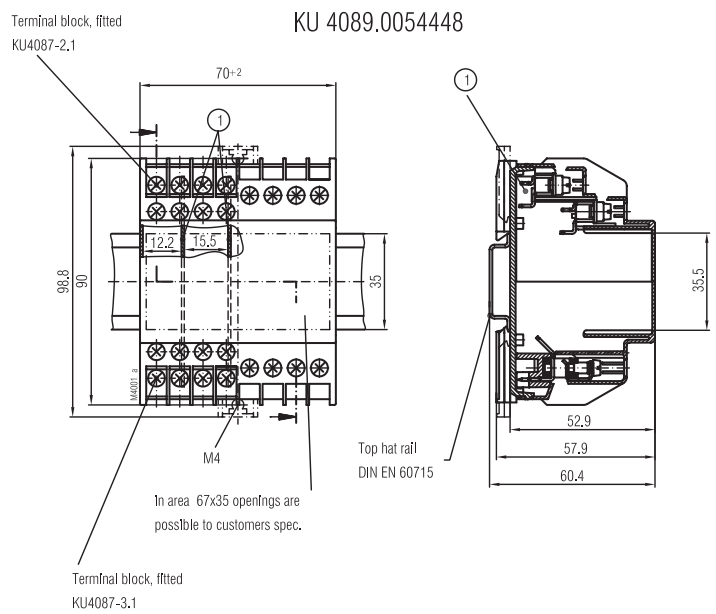
Dimensions Enclosure for vertical PCB

PCBs not included in deliveries

KU 4088.0054447



with 1 vertical PCB



with 2 verticals PCB

