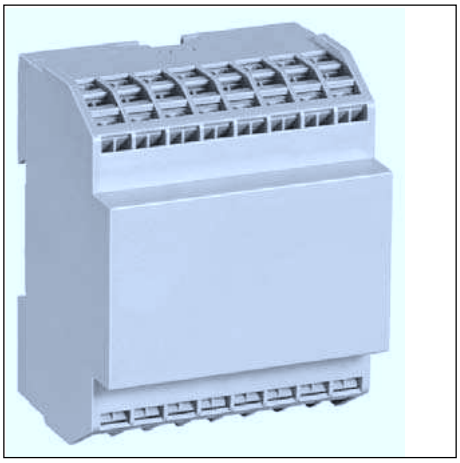
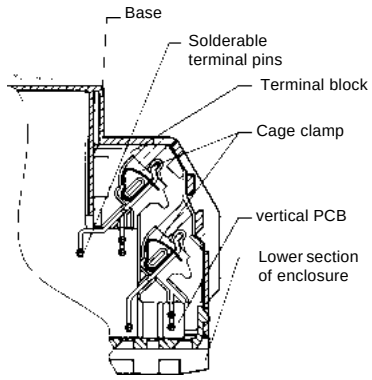
Insulated Enclosure KU 4039

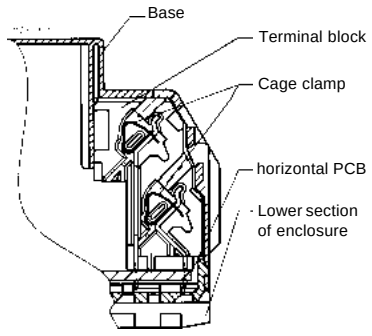
to DIN 43 880 for building-into distribution cabinets or surface mounting, with cage clamp terminals



- Width 70 mm
- Max. 32 terminals with each 2 cage clamp terminals
- Machine solderable connctions
- Housing supplied as single parts, terminals prefitted in terminal blocks



Terminals for vertical PCB



Terminals for horizontal PCB

Technical Data

Order references:

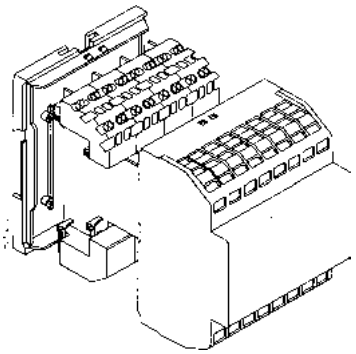
KU 4039.0050259:	for vertical PCB
KU 4039.0050258:	for horizontal PCB
Outer dimensions:	70 x 90 x 58 mm
Enclosure material:	PC-GF, light grey RAL 7035

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

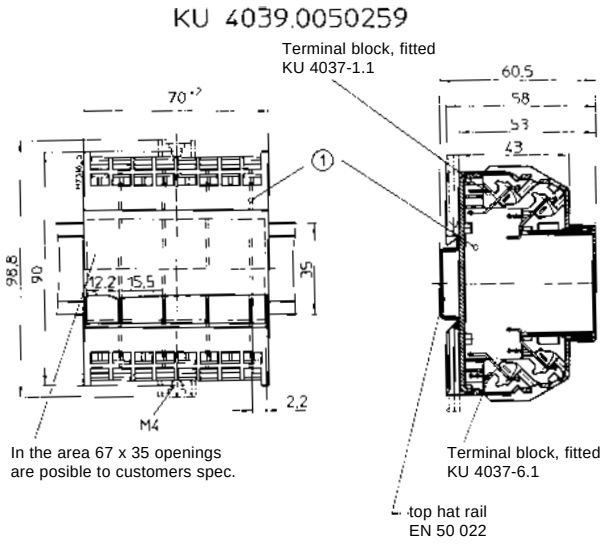
Max. permitted power dissipation:	8 W at normal climate 23/50-1	ISO 554
Specific thermal resistance:	R_{th} = 8 K / W	
Flame retardancy complying with UL 94:	V-0	
complying with IEC 60 707:	BH 2-30	
Number of terminals:	16	
Terminal material:	High grade steel / Copper alloy, tin-plated	
Max. cross section for connection:	2 x 1,5 mm² solid or 2 x 1,5 mm² stranded or 2 x 1 mm² stranded ferruled min. Ø 0,5 mm solid AWG 24	DIN 46 228-1/-2/-3/-4
Insulation of wires length:	8 mm	
Max. contact resistance to printed circuit board:	10 mΩ	
Max. current carrying capacity:	10 A	
Wire fastening:	Cage clamps	
Required tool:	Screwdriver	ISO 2380-1-B0,5x3
Inner connection:	Machine-solderable terminal pins for PCB	
Enclosure fastener:	1) Snap-on fastener on top hat rail 2) Screw fixing M4, grid 90 mm with second clip as accessory	EN 50 022
Creepage current resistancet:	CTI 175 ≙ insulated material III a	IEC 60 664-1
Air gap and creepage distance vertical PCB:	Air gap distances: ≥ 3,3 mm Creepage distances: ≥ 4,5 mm	IEC 60 664-1
horizontal PCB:	≥ 4 mm	
Type of protection		
Enclosure:	IP 40	IEC 60 529
Terminals:	IP 20 Contact protection complies with VBG 4	IEC 60 529
Print area:	34 x 44 mm on the front and 34 x 8 mm above the terminals	
Printed circuit board:	See printed circuit board design	
Printed circuit board holder:	Guide ribs	
Component installation height for a vertical printed circuit board		
on component side:	≤ 63 mm	
on soldering side:	≤ 3 mm	
Net weight:	150 g	
Accessories:		
ET 4086-0-2:	Second clip for screw fixing	

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.

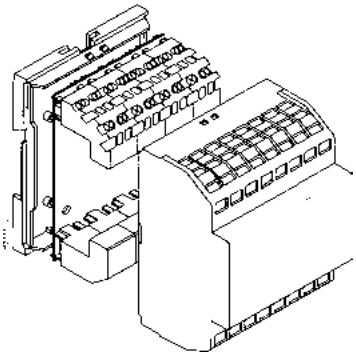
Exploded view



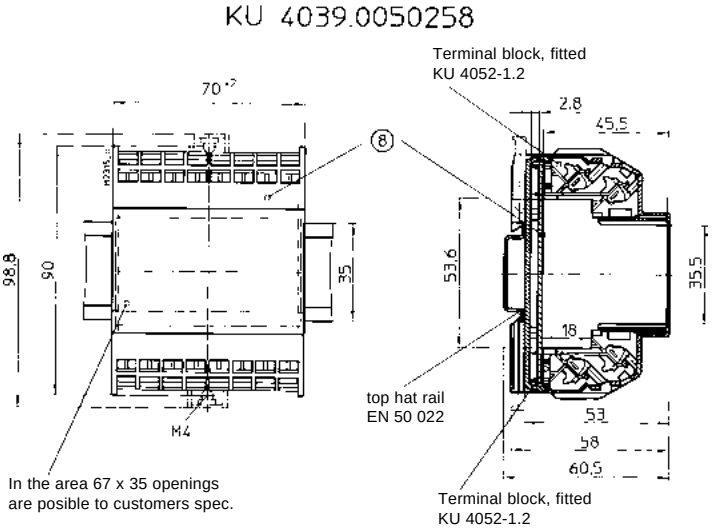
Dimensions Enclosure for vertical PCB



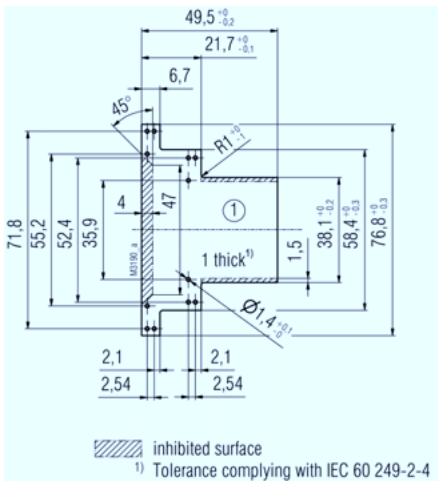
Exploded view

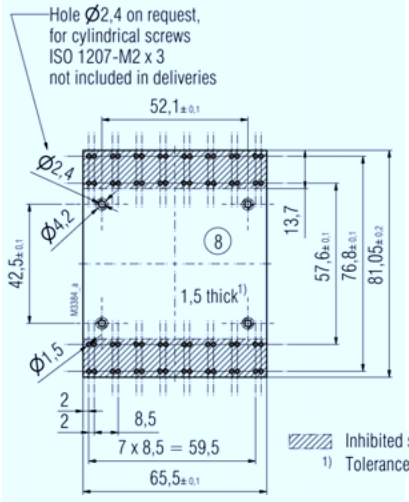


Dimensions Enclosure for horizontal PCB



Printed circuit board design





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