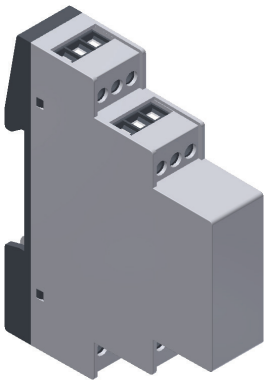
Insulated Enclosures KU 4187

to DIN 43 880 for installation in distribution cabinets
70 mm depth



Your Advantages

- Modular and flexible
- Plenty of space
- Variable connection system
- Can be specifically tailored to customer requirements

Features

- Module widths 17.5 mm
- Nominal depth 64 mm for overall panel depth maximum 70 mm to DIN 43 880
- Selectable enclosure configurations
  - without terminal
  - with printed circuit board terminals
  - with plug in screw terminals
  - with plug in cage clamp terminals
  - with box terminals
  - with various terminal combinations
- Suited for the accommodation of up to two vertical PCBs with terminals
- Enclosure openings for connection terminals, control elements and bus connectors KNX and RJ45 on request

Technical Data

	Standard	UL
Order reference:		
Closed:	0060230	0066497
PCB terminal:	0060131	0066499
Plug in screw terminal:	0060132	0066498
Plug in cage clamp terminal:		0066621
Box terminal:	0060290	0066500

External dimensions: 17.5 x 90 x 71

Enclosure material
Cover: PC-GF, PC (UL) light grey RAL 7035
Base plate: PC-GF dark black RAL 9005, PA66/6 (UL) graphite black RAL 9011
Terminal block: PC-GF, PA66/6 (UL)
Connection board: PA66 (UL)

Temperature stability	PC-GF	(UL) PC	(UL) PA 66/6	(UL) PA 66
complying with UL 746 B:	115 °C	115 °C	120 °C	150 °C
complying with Vicat ISO 306 Meth. B:	145 °C	146 °C	230 °C	245 °C
compl. with ISO 75-2 (1.8 MPa):	136 °C	123 °C	225 °C	120 °C
(0.45 MPa):	142 °C	142 °C	235 °C	231 °C

Max. permitted power dissipation: 6 W for stand-alone enclosure at normal climate 23/50-1 — ISO 554

Specific thermal resistance: R_{th} = 15 K / W

Flame retardancy complying with UL 94: All enclosure materials: V-0
Exception: PA66 (UL), irradiated: HB

Number of termials: Each 12 plug in terminals and printed circuit board terminals; 8 box termianls; less on request

Enclosure fastener: Snap-on fastener on top hat rail — EN 60 715

Creepage current resistance — IEC 60 112
PC-GF: CTI 175 ≙ insulated material III a
PC: CTI 225 ≙ insulated material III a
PA66/6: CTI 550 ≙ insulated material II
PA66: CTI 600 ≙ insulated material I

Type of protection: Enclosure IP 40 — IEC 60 529
Base plate IP 30
(connector cut outs IP 20)

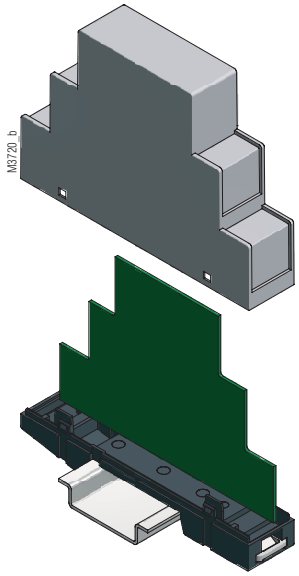
Print area: 16.5 x 41.5 mm

Print circuit board: See printed circuit board design
Printed circuit board mounting vertical: Guides in base and terminal plate

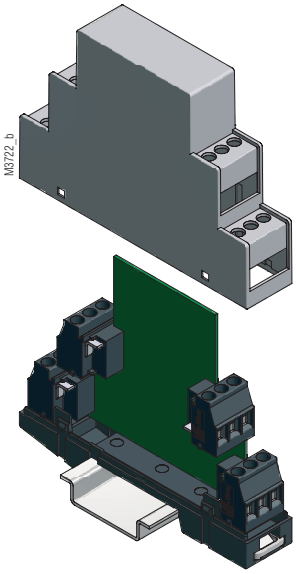
More information see brochure Terminal overview GE02

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

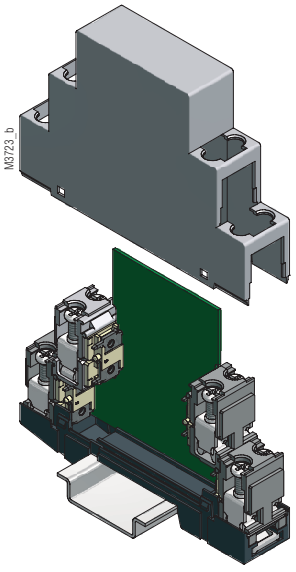
Exploded view



closed

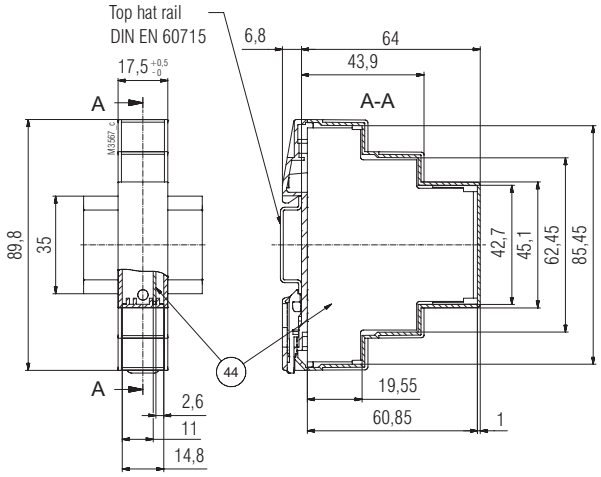


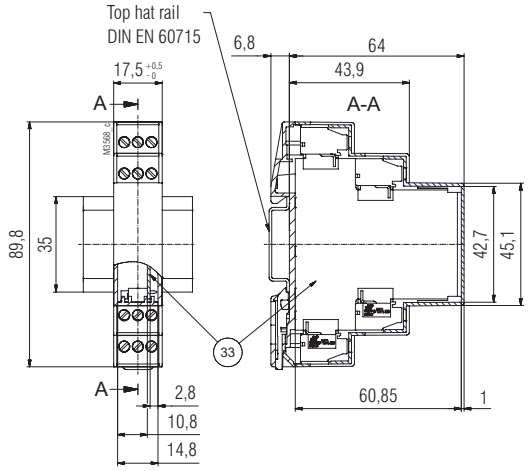
printed circuit board terminal

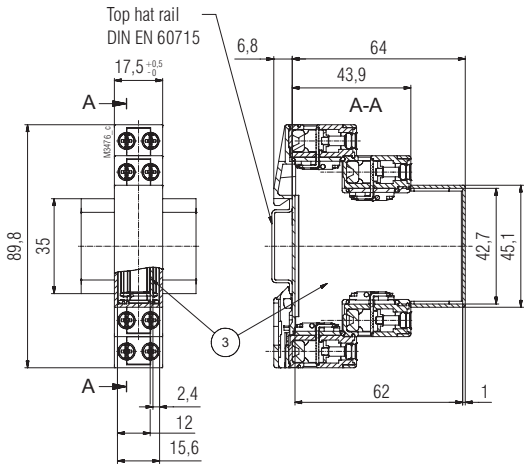


box terminal

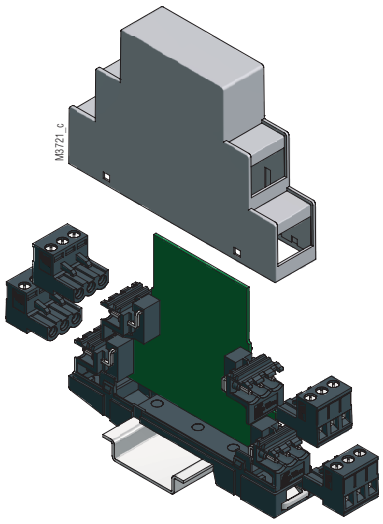
Dimensions



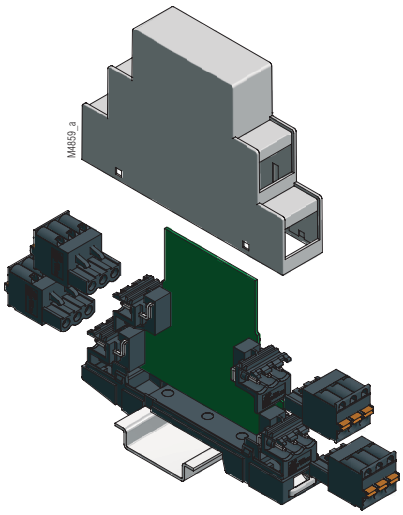




Exploded view

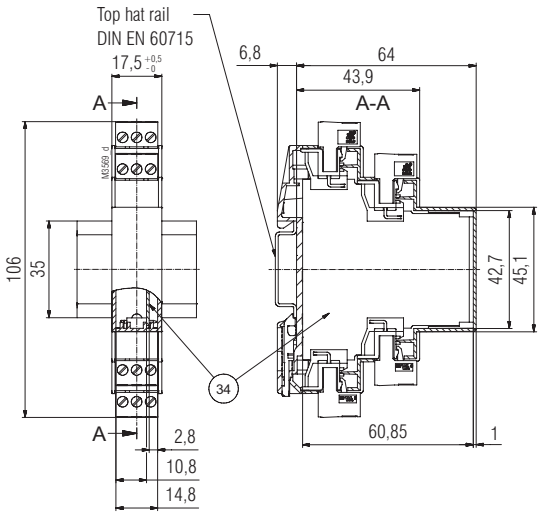


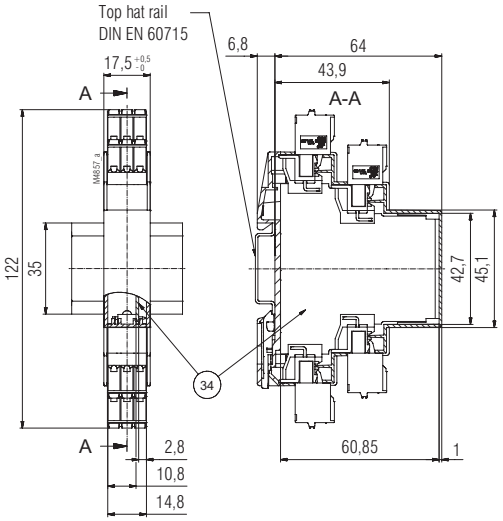
plug in screw terminal



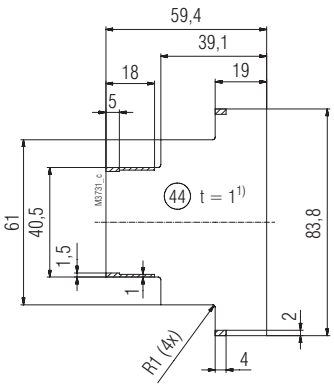
plug in cage clamp terminal

Dimensions

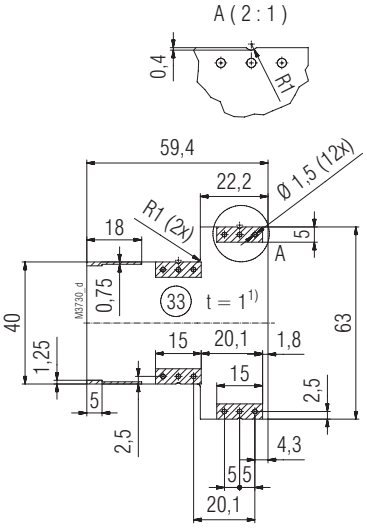




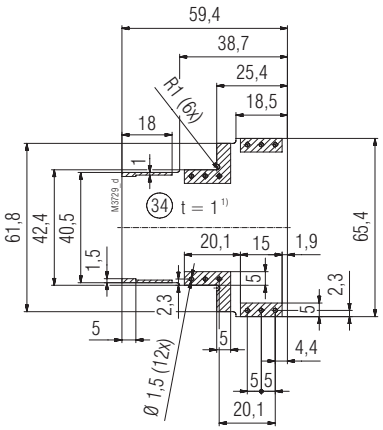
Printed circuit board design



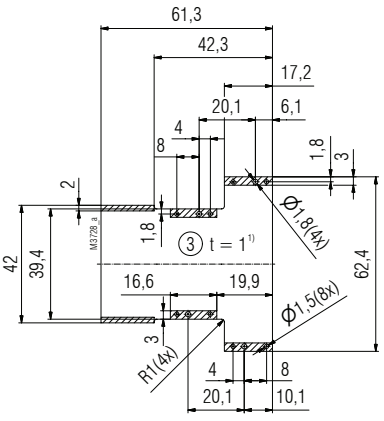
with max. area without terminals



with 4 x 3-pole printed circuit board terminal RM 5.00 mm



with 4 x 3-pole plug in terminals RM 5.00 mm



with 4 x 2-pole box terminals RM 8.9 mm
at KU 4187

Inhibited surface

1) Tolerance at DIN EN 60 249-2-4; General tolerance: PERFAG 2 E