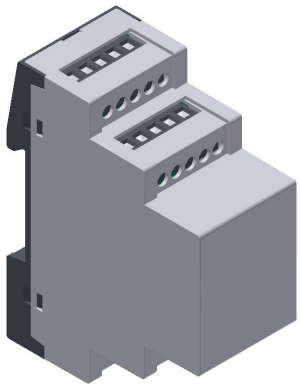
Insulated Enclosures KU 4188

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 35 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 horizontal PCBs with terminals and additional PCB for display and control or elements in the housing front; optionally for the accommodation of up to 4 vertical PCBs with terminals
- Enclosure openings for connection terminals, control elements and bus connectors KNX and RJ45 on request
- Base plates available with side walls for mounting of PCB assemblies

Technical Data

	Standard	UL
Order reference:		
Closed:	0061102	0066501
PCB terminal:	0060120	0066503
Plug in screw terminal:	0060121	0066502
Plug in cage clamp terminal:		0066623
Box terminal:	0060292	0066504

External dimensions: 35 x 90 x 71

Enclosure material

Cover:	PC-GF, PC (UL) light grey RAL 7035
Base plate:	PC-GF, PC (UL) dark black RAL 9005,
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: 7 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 20 plug in teriminals and printed circuit board terminals; 16 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 I
PA66:	CTI 600 ≙ insulated material 0

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

Print area: 33.5 x 41.5 mm

Print circuit board: See printed circuit board design

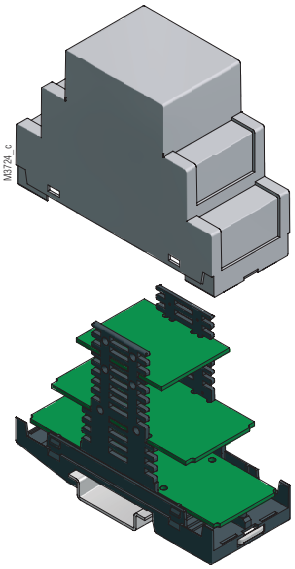
Printed circuit board mounting

horizontal:	Fixed to the base by screws and / or by the side walls
vertical:	Guides in base and terminal plate

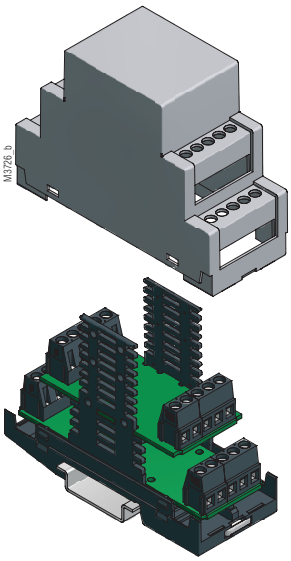
More information see brochure Terminal overview GE02

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.

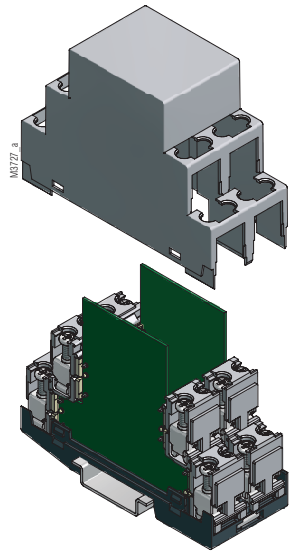
Exploded view



closed

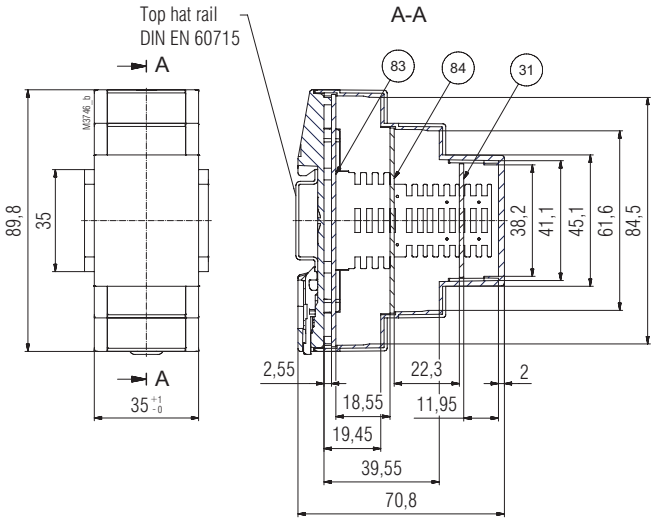


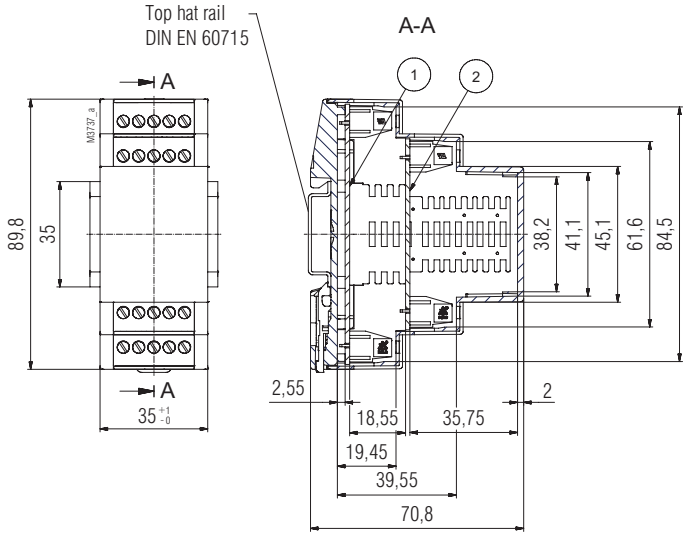
printed circuit board terminal

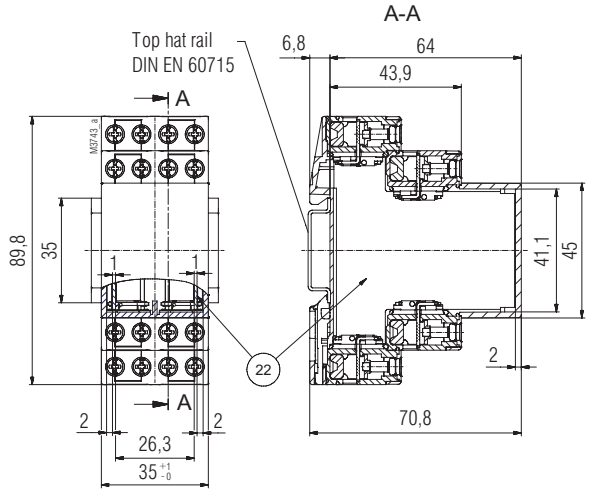


box terminal

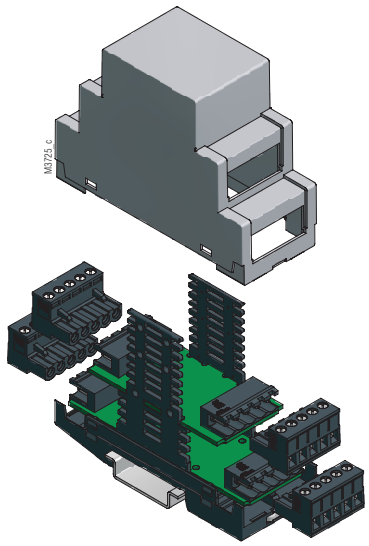
Dimensions



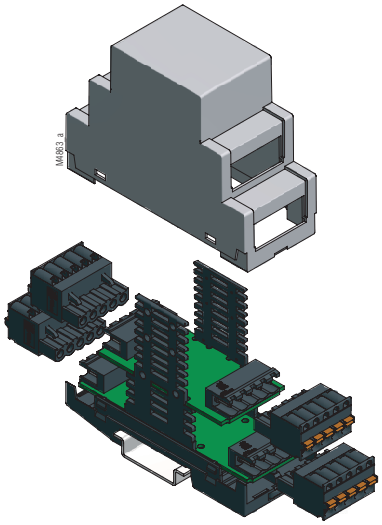




Exploded view

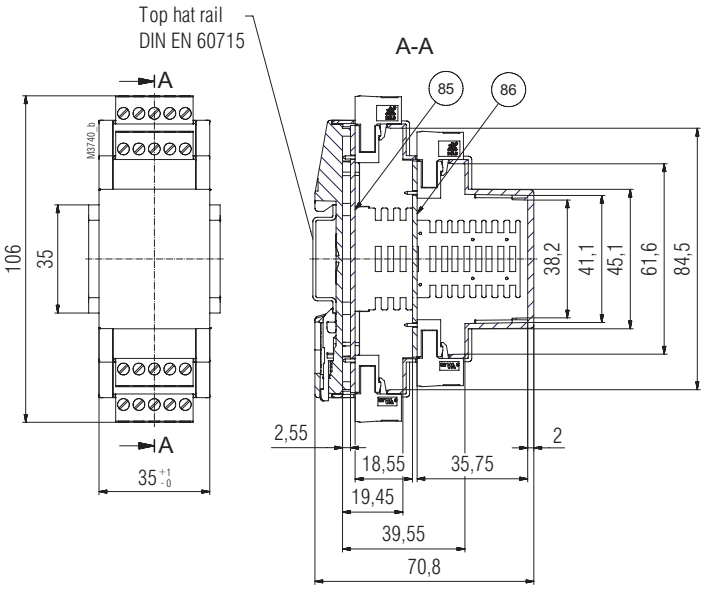


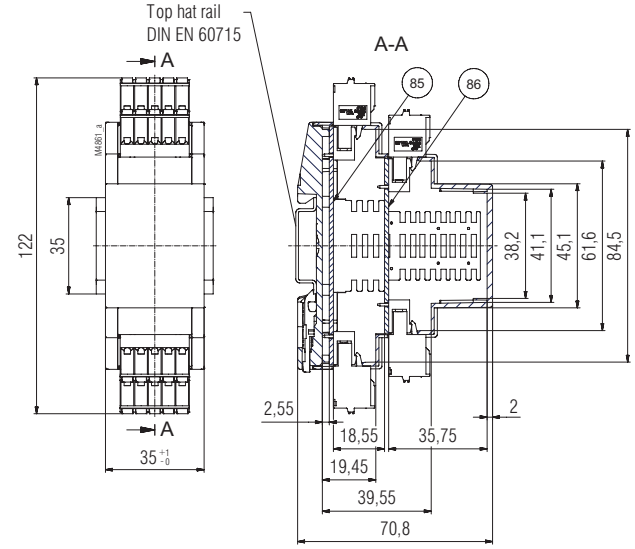
plug in screw terminal



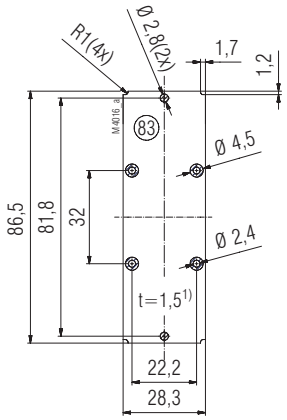
plug in cage clamp terminal

Dimensions

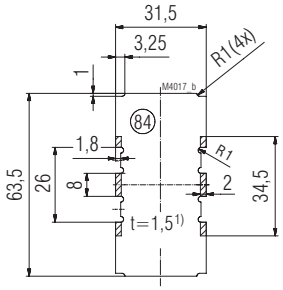




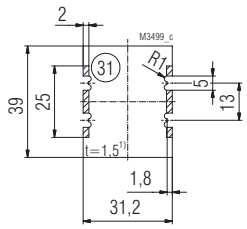
Printed circuit board design



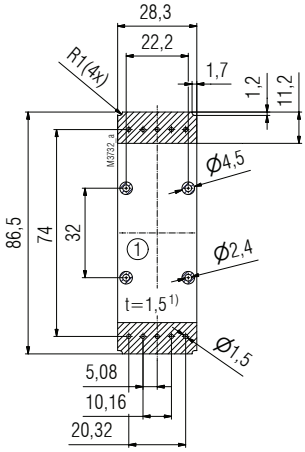
PCB in PCB-position Bottom
for closed res. milled enclosure



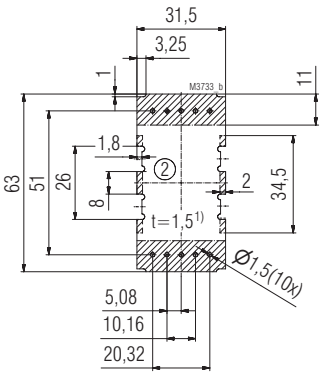
PCB in PCB-position Middle
for closed res. milled enclosure



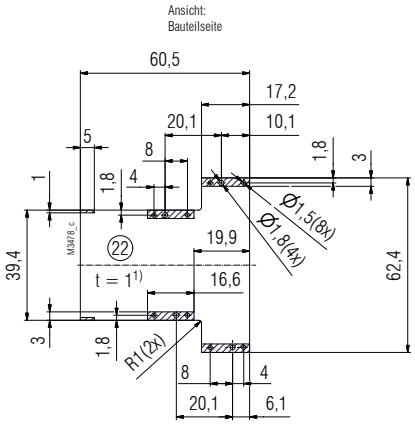
PCB in PCB-position Front
for closed res. milled enclosure



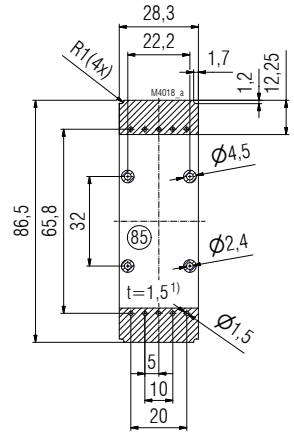
PCB in PCB-position Bottom
for 2 x 5-pole PCB terminals



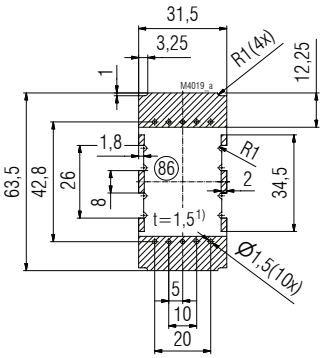
PCB in PCB-position Middle
for 2 x 5-pole PCB terminals



with 4 x 2-poles box terminals
RM 8.9 mm



PCB in PCB-position Bottom
for 2 x 5-pole contact tag row
(plug in screw terminals e.g.
plug in cage clamp terminals)



PCB in PCB-position Middle
for 2 x 5-pole contact tag row
(plug in screw terminals e.g.
plug in cage clamp terminals)

Inhibited surface

1) Tolerance at DIN EN 60 249-2-4; General tolerance: PERFAG 2 E
Holes ø 2,4 on request for cylindrical screws ISO 1207 M2x4