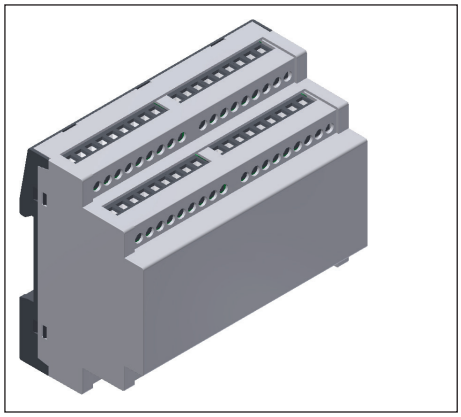
Insulated Enclosures KU 4590

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



Your Advantages

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

Features

- Module widths 105 mm
- Nominal depth 53 mm for overall panel depth maximum 55 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 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

Order reference:	UL	
Closed:	0066465	
PCB terminal:	0066466	
Plug in screw terminal:	0066467	
Plug in cage clamp terminal:	0066676	
External dimensions:	105 x 90 x 60	
Enclosure material		
Cover:	PC (UL) light grey RAL 7035	
Base plate	PC (UL) dark black RAL 9005	

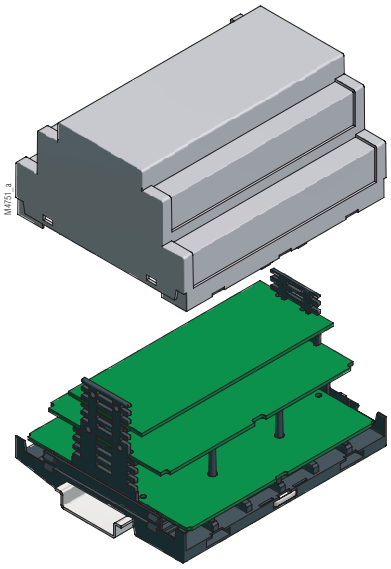
Temperature stability	PC (UL)
complying with UL 746 B:	115 °C
complying with Vicat ISO 306 Meth. B:	146 °C
compl. with ISO 75-2 (1.8 MPa):	123 °C
(0.45 MPa):	142 °C

Max. permitted power dissipation:	20 W ffor stand-alone enclosure at normal climate 23/50-1	ISO 554
Specific thermal resistance:	R_{th} = 6 K / W	
Flame retardancy complying with UL 94:	All enclosure materials: V-0	
Number of termials:	72; less on request	
Enclosure fastener:	Snap-on fastener on top hat rail	EN 60 715
Creepage current resistance PC:	CTI 225 ≙ insulated material III a	IEC 60 112
Type of protection:	Enclosure IP 40 Base plate IP 30 (connector cut outs IP 20)	IEC 60 529
Print area:	104.5 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	

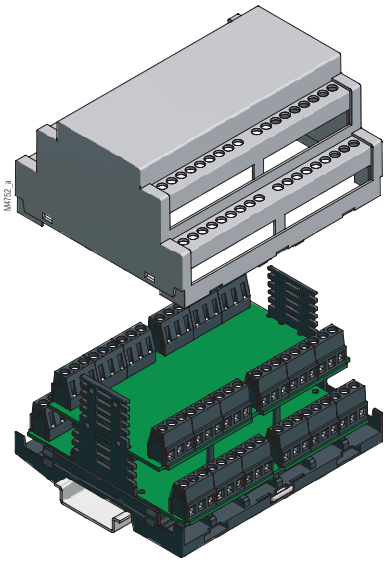
More information see brochure
Terminal overview GE02

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

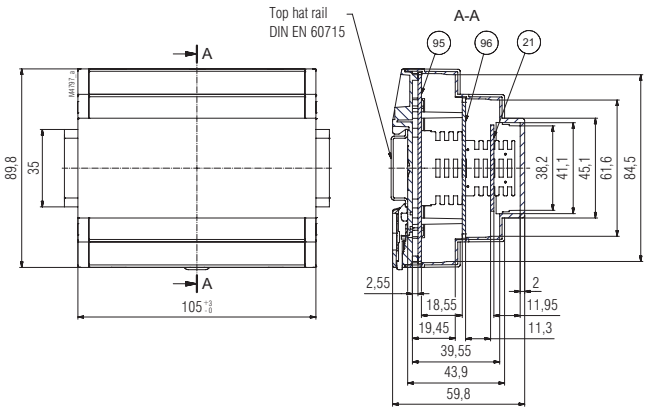


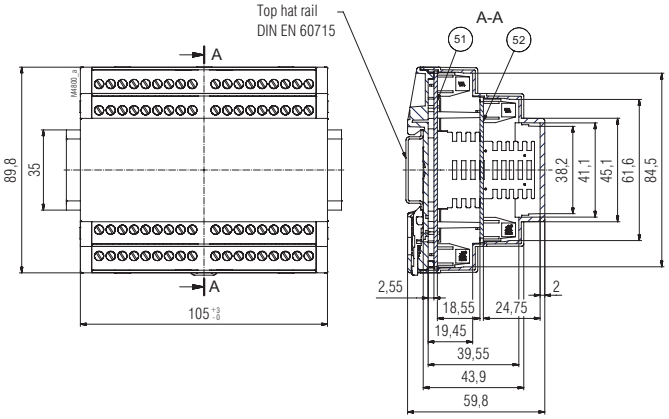
closed



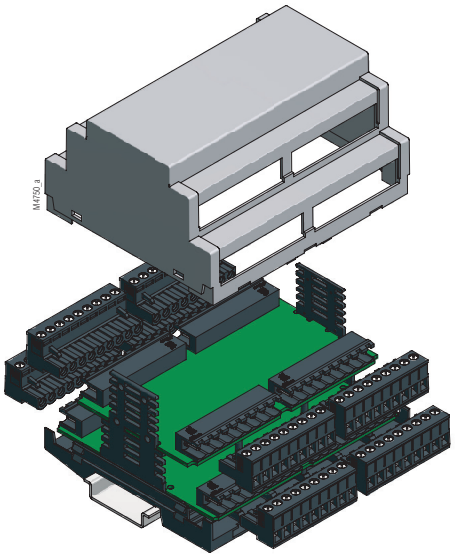
printed circuit board terminal

Dimensions

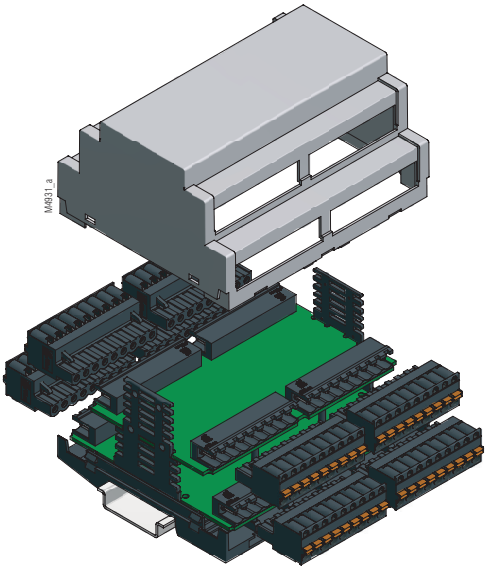




Exploded view

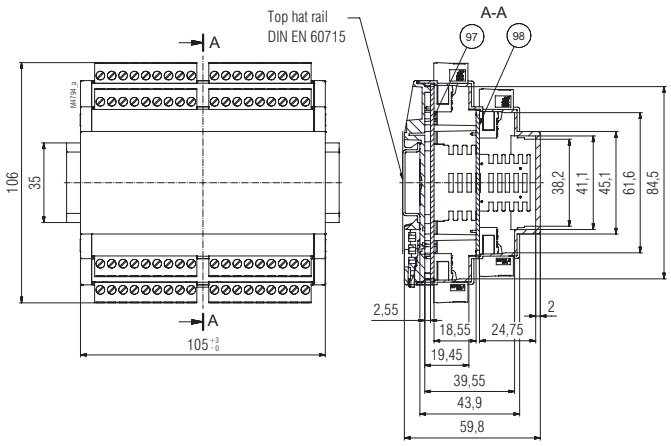


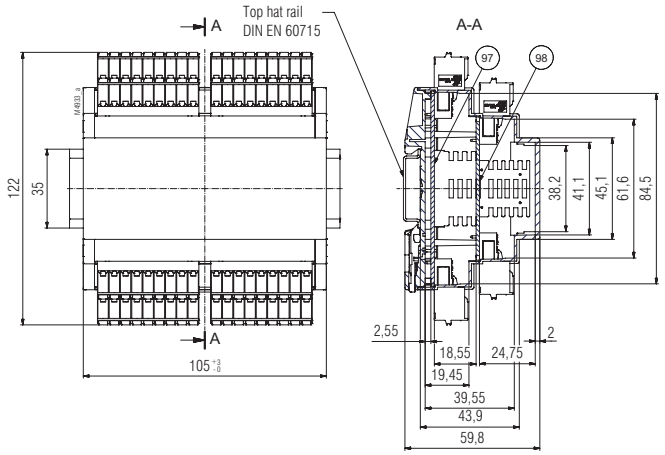
plug in screw terminal



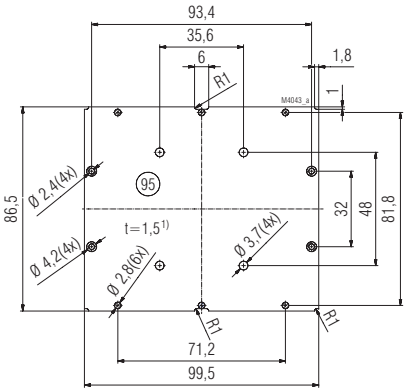
plug in cage clamp terminal

Dimensions

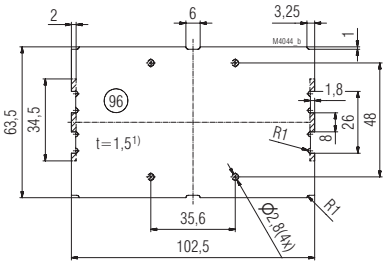




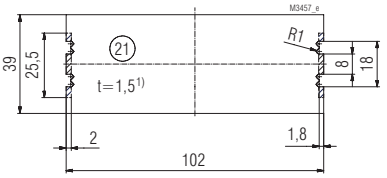
Leiterplattenzuschnitte



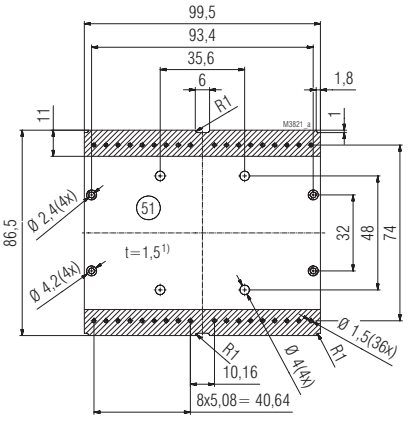
PCB in PCB-position Bottom
for closed res. milled enclosure



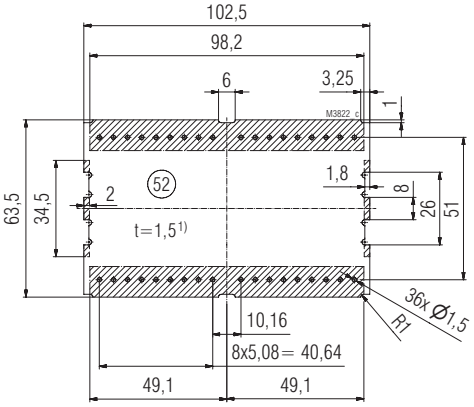
PCB in PCB-position Middle
for closed res. milled enclosure



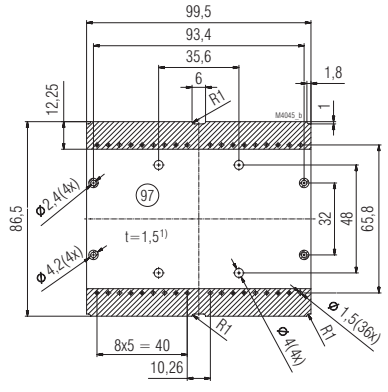
PCB in PCB-position Front
for closed res. milled enclosure



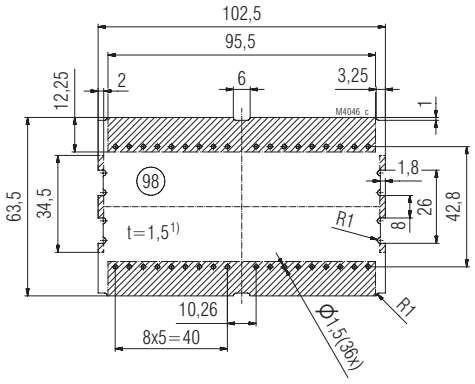
PCB in PCB-position Bottom
ffor 4 x 9-pole PCB terminals



PCB in PCB-position Middle
for 4 x 9-pole PCB terminals



PCB in PCB-position Bottom
for 4 x 9-pole contact tag row
(plug in screw terminals e.g.
plug in cage clamp terminals)



PCB in PCB-position Middle
for 4 x 9-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