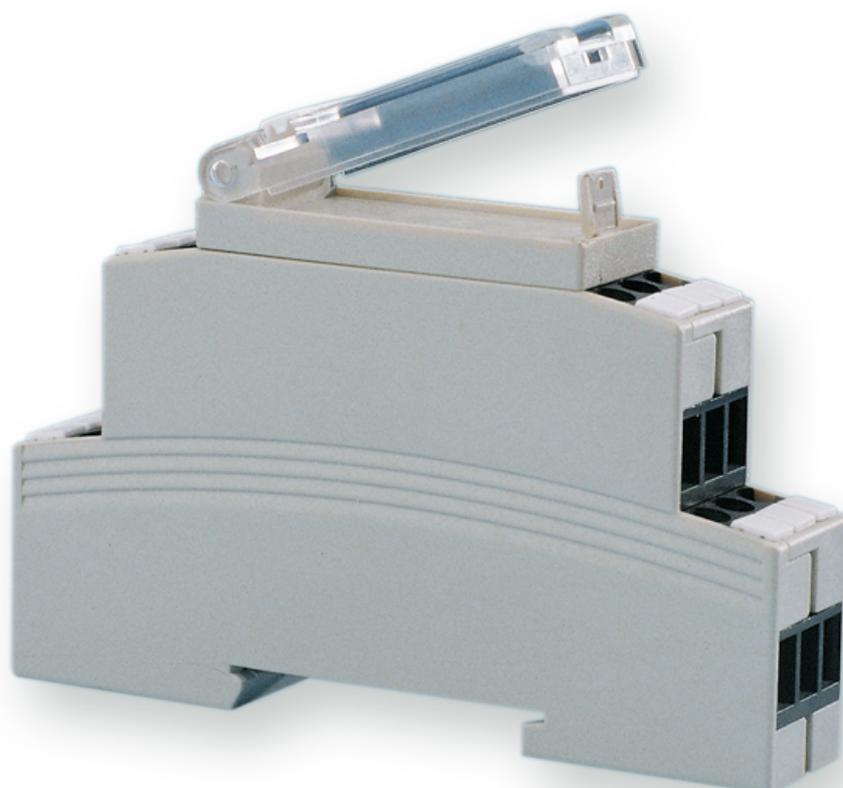# IDG-A

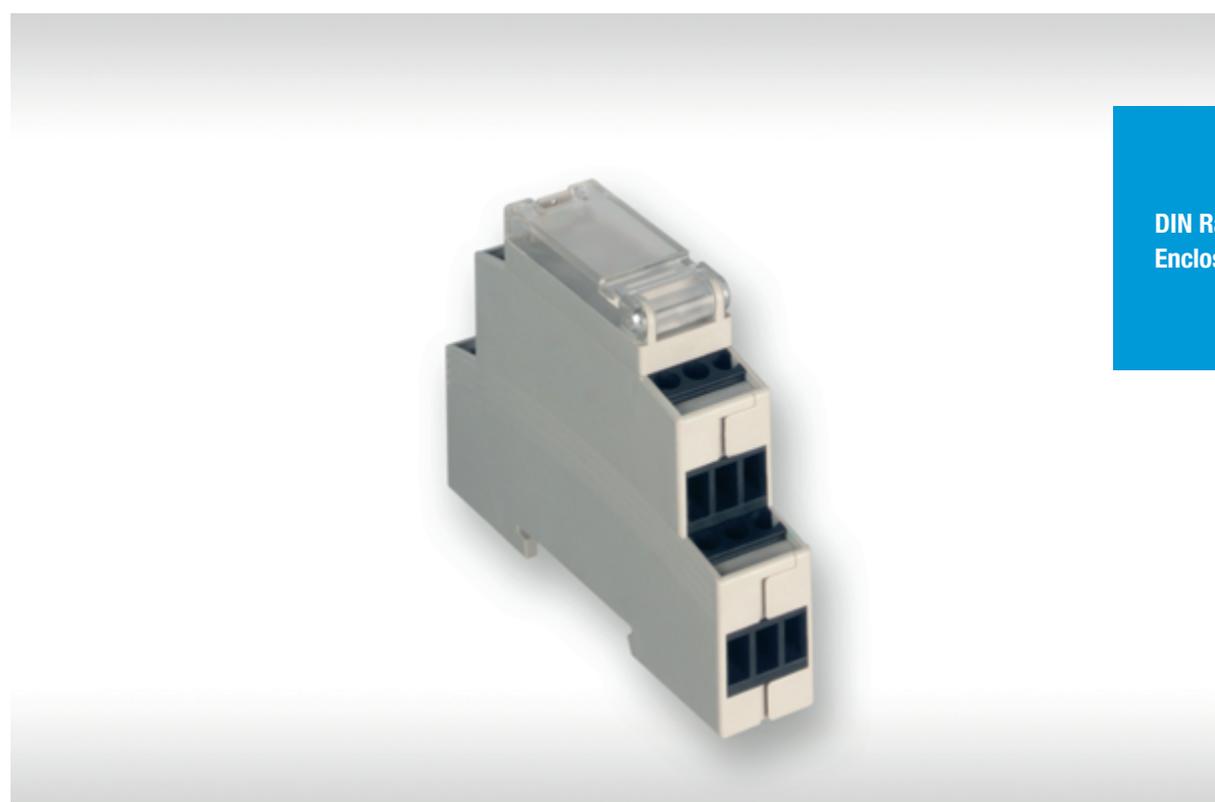## Enclosure for DIN-Rails

IDG-A Enclosure for DIN-Rails

GENERAL —

DIN Rail Mount Enclosure IDG-A

With its slim design, the installation housing IDG-A is suitable for applications in building automation. This enclosure has been designed according to DIN 43 880, providing the dimensions and specifications required for installation component standards. Conforming to VBG 4 and IEC529/DIN VDE 0470-1, the IDG-A prevents accidental shock and injury while meeting the requirements of the automation industries. This new housing enables users to incorporate a top horizontal pcb or three horizontal pcbs. The top horizontal pcb is ideal for holding signalling devices/ indicators and switches. Fully populated, the terminal blocks have a maximum of 12 screw clamp terminals. For applications not requiring all 12 I/O positions or requirements for additional internal space, selective loading may be done, with empty positions being filled with blind plugs.

- Installed width of 17.5$^{+0.5}$ mm
- Dimensional size per DIN 43 880, size 1
- Mountable to DIN rails meeting DIN 46 277 and DIN EN 50 022 (35mm)
- Ease of assembly due to snap-together design
- up to three horizontal PCBs
- Two terminal blocks (one left, one right), each with two sets of three positions (may be custom-loaded)
- Blind insert may be utilized in-place of terminal blocks for maximum space utilization
- 2 cover versions: grey cover or grey cover frame for clear hinged face plate (for access to switching components)
- Customer-specific colors and designs available upon request
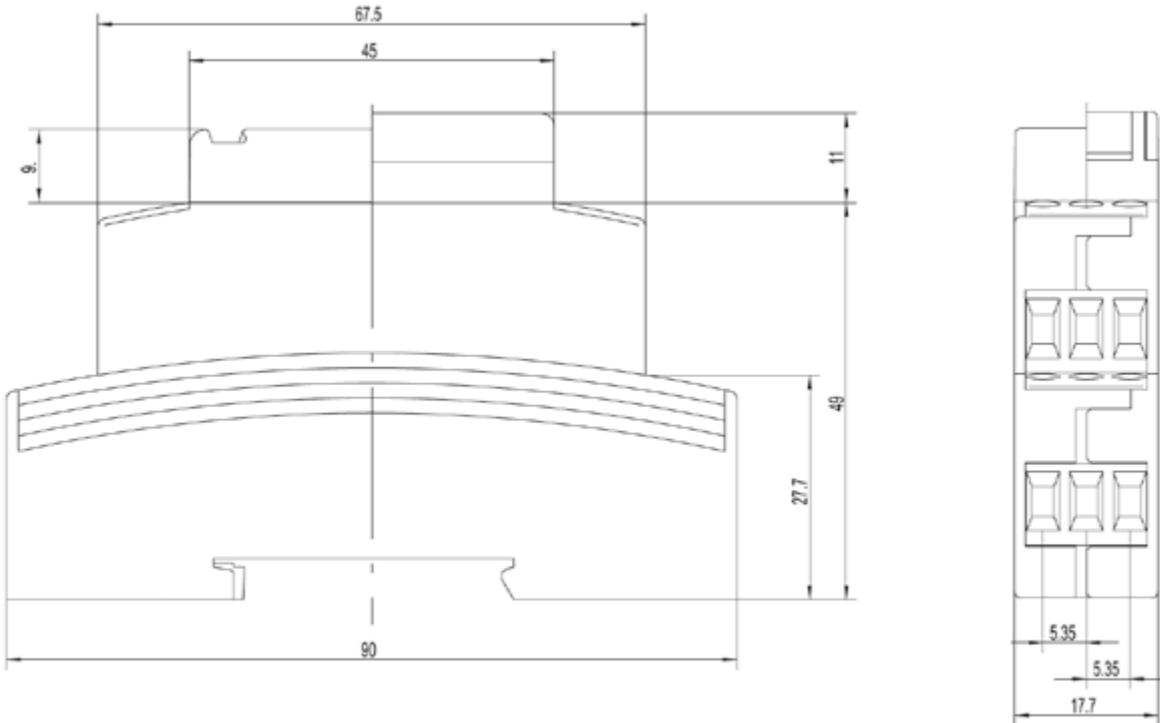
IDG-A Enclosure for DIN-Rails

TECHNICAL DATA ——

■ **ELECTRICAL AND MECHANICAL CHARACTERISTICS** ——

Type	IDG-A
Degree of Protection	IP20
Air- and Creepage (Terminal Block)	min. 2,5 mm
Creepage proof (Terminal Block)	CTI 250
Insulation Material	III a
Current Rating	max. 12 A
Wire Size	max. 2,5 mm² (14 AWG)
Operating Temperature	-40 - 110 °C
Outer Dimensions: With Cover (W x H x D)	90 x 58 x 17,7
Outer Dimensions: With Hinged Face Plate (W x H x D)	90 x 60 x 17,7
Material	
Lower Housing Shell	PC 30 % GF UL 94-V1
Upper Housing Shell	PC 30 % GF UL 94-V1
Blind Terminal Block	PC 30 % GF UL 94-V1
Cover	PC 30 % GF UL 94-V1
Hinged Face Plate	PC UL 94-V2
Terminal Block	PA 46 30 % GF UL 94-V0
Blind Plug	PC UL 94-V2
Screw Clamp	Steel (zinc plated)
PCB Termination Pin	CuSn 6 (2 µm Ni +5 µm SnPb plating)
Label	PA 66

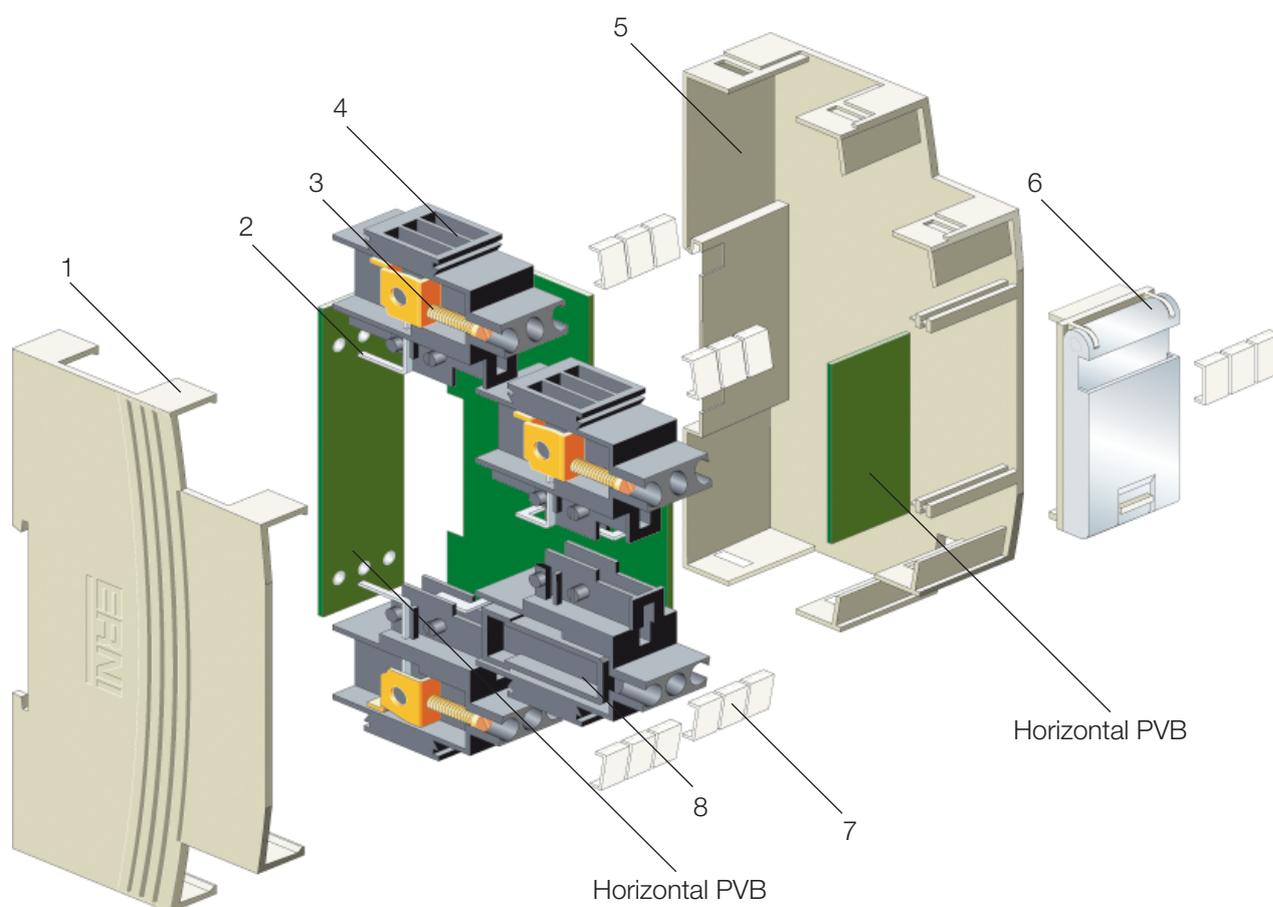# IDG-A Enclosure for DIN-Rails

DIMENSIONS —

IDG-A Enclosure for DIN-Rails

COMPONENTS ——

Horizontal PVB

Horizontal PVB

Pos.	Description	Material
1	Upper Housing Shell	PC 30% GF
2	PCB Terminal Pin	CuSn6 (tin plated)
3	Screw Clamp	Stahl (zinc plated)
4	Terminal Block	PA 46 30% GF
5	Lower Housing Shell	PC 30% GF
6	Cover with Hinged Face Plate	PC 30% GF/PC
7	Snap-on Lable	PA 66
8	Blind Plug	PC

PCB DIMENSIONS AND INSTALLATION NOTES —

■ PCB HORIZONTAL
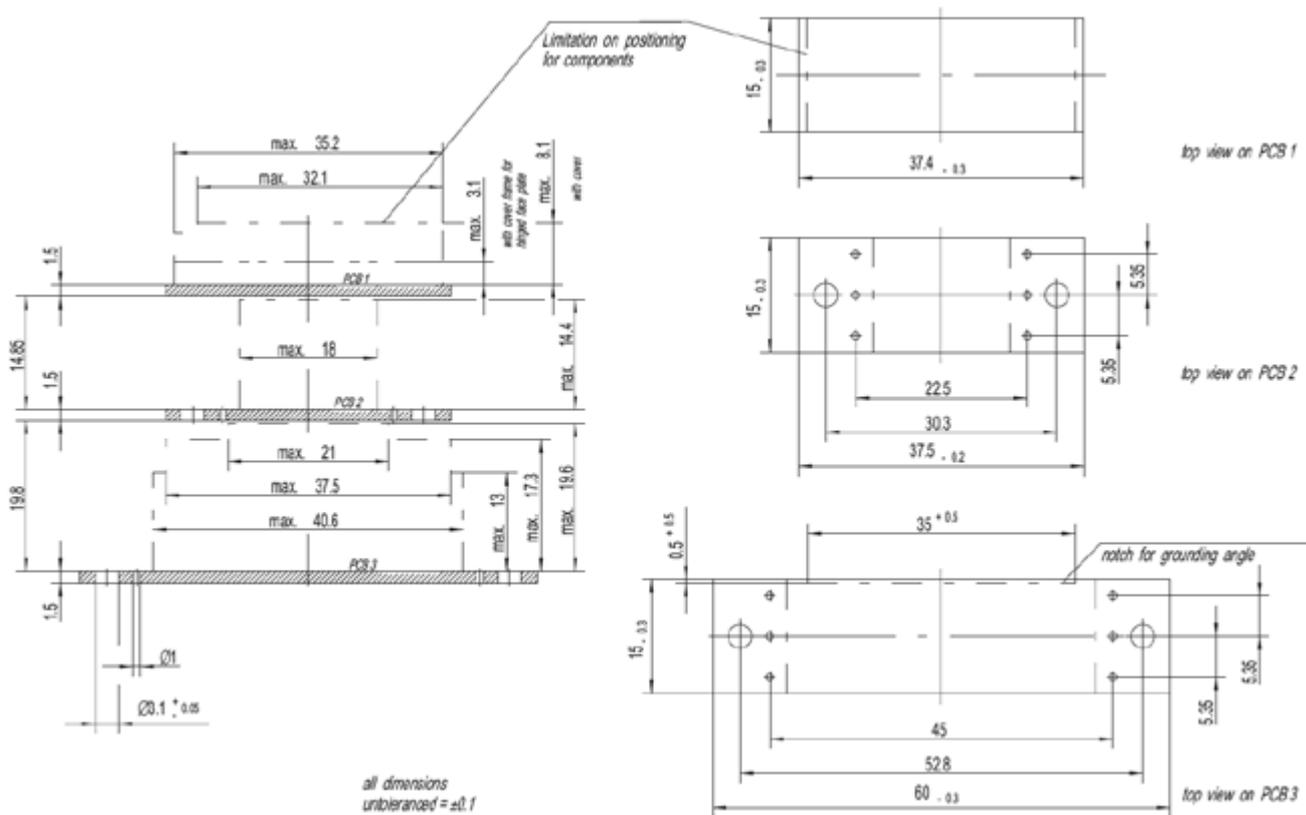
IDG-A Enclosure for DIN-Rails

COMPLETE KITS AND COMPONENTS —

ORDERING INFORMATION

Description	Cover Version	Part Number
Complete Kit	Cover	104992
Complete Kit	Cover with Hinged Face Plate	104993
Lower Housing Shell	–	064080
Upper Housing Shell	–	064081
Terminal Block Left, Assembled	–	104872
Terminal Block for Horizontal PCB, Assembled	–	104874
Snap-on Label	–	104413
Blind Terminal Block	–	064085
Terminal Block, unbestückt	–	064086
Blind Plug	–	414466
Screw Clamp	–	104150
PCB Pin 1 Left/Right	–	064087
PCB Pin 2, Left	–	064088
PCB Pin 3, Left	–	103681
PCB Pin 2, Right	–	103950
PCB Pin for Horizontal PCB	–	103684
Cover	–	064082
Cover for Hinged Face Plate	–	064083
Hinged Face Plate, transparent	–	064084

The complete kits are packaged individually and consist of the following: an upper housing shell, lower housing shell, two left terminal blocks, two right terminal blocks (both terminal blocks are populated with 6 pins and screw clamps each) and a cover.

ERNI