

# CARRIER RAILS FOR LOW-VOLTAGE DISTRIBUTION VERSATILE SMART GRID MODULES



# **THE LOW-VOLTAGE GRID GETS SMART** TODAY, NETS CAN DO SO MUCH MORE THAN JUST DISTRIBUTE ENERGY

#### Additional tasks require new solutions:

- » transmission of measured values from the grid
- » data communication with smart meter gateways
- » decentralized network control and load management

EBG carrier rails enable easy installation and safe operation of measuring and communication devices in low-voltage distribution boards and cable distribution cabinets.

#### **EBG Carrier Rails – Versatile Applications**

- » required devices are snapped on to top hat rails
- » number and position of top hat rails freely selectable
- » circuit breaker for single-phase or three-phase mains disconnection
- » safety low-voltage for supply of electronics
- » separate overvoltage protection optional
- » cover removable without tools

#### **Customized Assembly and Wiring**

- » with mounted top-hat rails and voltage taps for assembly and wiring at the customer's site
- » fully equipped, wired and tested
- » supplementary material can be integrated
- » customer circuit diagram data can be integrated

## Data Sheet

Туре	GT100	GT100F	GT65
Installation type	Screw connection on busbars		screw fastening
Measurements (HWD in mm)	690x100x197		990x65x186
Protection category	IP20 plus condensation protection, shock-proof protection even with the hood removed		
Power supply	Busbar, 1- or 3-phase + N		Connecting line
Overvoltage protection	Cat IV, 300V (optional)		
Operating temperature	-25°C to 80°C, at the busbar up to 1	10°C	



# Version for Mounting on Busbars (GT100)

- » installation on the busbar system like a fuse strip electrical contact and mechanical fixing in one operation
- » mounting optionally on busbars with set nuts or stud bolts
- » ideal for retrofitting existing low-voltage distributors; only one 100 mm strip space is required
- » completely shock-proof, protection category IP20
- » electronics protected against dirt and dripping water





### Version for Front-operated Devices (GT100F)

- » like GT100, but with mounting space for a switch panel instrument up to 96x96 mm
- » operation without removal of cover
- » additional top hat rails for mounting further devices

### Version for Screw Connection on C-Rails (GT65)

- » ultra-slim, only 65 mm wide
- » for installation in free spaces next to the low voltage distribution
- » no strip space required on the busbar
- » power supply via connecting cable
- » completely shock-proof, protection category IP20
- » electronics protected against dirt and dripping water





The varieties show only a small selection of the possible configurations – for more info, please contact us!

