

EBG *electro*

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

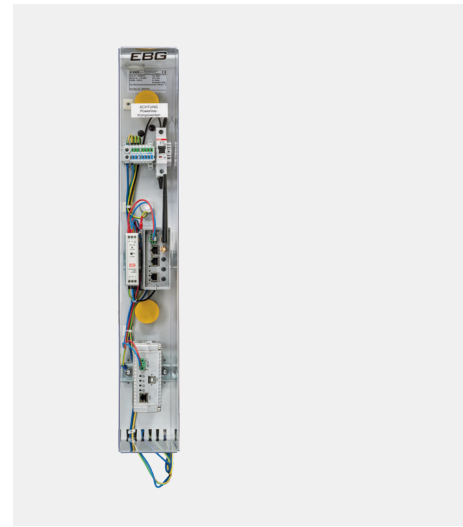
- » with mounted top-hat rails and voltage taps for assembly and wiring at the customer's site
- » fully equipped, wired and tested
- » supplementary material can be integrated
- » customer circuit diagram data can be integrated

Data Sheet

Type	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 110°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!

A STRONG GROUP

We have achieved all relevant certifications (Quality IATF 16949, DIN EN ISO 9001, Environment DIN EN ISO 14001, Energy DIN EN 16247, DIN EN ISO 50001). In addition, we have implemented an occupational health and safety management system according to the German statutory accident insurance and prevention association.

We co-operate with universities and research institutes to consistently develop our group of companies. In addition to providing access to the latest scientific findings, this also helps us to recruit qualified employees for our companies.

team made – because what we do is always a success of the team. Working together is the core as well as the motor of our innovative strength.

www.ebg-group.com

MISSION STATEMENT

- » We are leaders in what we do. We want to stay that way, at the same time being open to new things.
- » Profit can't buy everything, but without economic success, things will not work.
- » New ideas for products and processes do not just appear out of nowhere. We look for them and develop them systematically.
- » We challenge our staff – and we also support them.
- » We don't look for the culprit, we look for a solution to the problem. Everybody has to take on responsibility and learn from the mistakes.
- » Our successes are always team successes.
- » We talk cordially, honestly, and respectfully with our business partners and with each other.
- » We appreciate values; we'll say what we mean, and we'll do what we say.
- » Our mission statement is not for preaching Sunday sermons. It is our objective for Monday thru Friday (and, occasionally, Saturday too).
- » We might not always be the best. But always, we're the funniest.

EBG*electro*

EBG*eqs*

EBG*innolab*

EBG*plastics*

EBG*jung*