

## Smart Grid Interface Module (SGIM) Comfort

The requirements for energy distribution in terms of usage, functionality and structures are ever changing. Meeting this challenge calls for tested and proven solutions: Simple assembly into existing systems without interruption of power, flexibility in terms of the number of measuring points as well as a hardware that can be handled without extensive prior training. With the Smart Grid Interface Module Comfort, EFEN has developed **a modular system for the collection of electric and other physical parameters** in distribution cabinets and wiring distributors

### Advantages at a glance:



- **Custom configuration:**  
The SGIM Comfort offers a wide range of application possibilities due to its compact design (analog NH fuse switches). With only one device you have the possibility to realize a 3-phase monitoring of up to 14 low-voltage connections. Upgrades including measurement and communication modules complete the modular system.
- **Simple installation:**  
Live mounting with "Plug & Play" on a 185 mm busbar system. Using Rogowski coils you have a simple and fast possibility to integrate the complete current measurement into your existing application - customizable according to your needs. We recommend our pre-assembled E<sup>3</sup>-NH fuse-switch with built-in current transformers for new installations.
- **Integrated safety:**  
The integrated CAT IV surge protection keeps your devices safe. You can also rely on the security of an integrated firewall, so your analysis data is protected from intrusion and properly secured according to modern transmission protocols.

Bestell-Nr.	Bezeichnung	Bruttopreis	Rabattgruppe
70910-0000	SGIM Comfort Current transformer light	According to configuration	Smart Solution
70920-0000	SGIM Comfort Rokowski coils		

**Key measured values:** Active power (P), Reactive power (QA, QV), Apparent power (SA, SV), Active energy (EA), Reactive energy (ErA, ErV), Apparent energy (EapA, EapV, Frequency (f), Current (I), Neutral current (IN), Calculated neutral current (Inc)...