# Smart Grid Interface Module (SGIM) Light

Changes in the energy grid pose new challenges for all stakeholders. New energy sources are causing the generation of energy to become more remote, volatile and decentralized. This is essential in order to balance the strongly fl uctuating energy fl ows caused by volatile power sources on the one hand and consumption peaks caused by the steadily increasing number of electric vehicles drawing power for recharging on the other hand. In this context, the intelligent use of the existing grid structure is opposed to the expansion of the grid, and therefore it is important to **measure the grid at various neuralgic points**. With our Smart Grid Interface Module (SGIM) Light, we at EFEN offer you a space-saving option - for more intelligence in your grid.
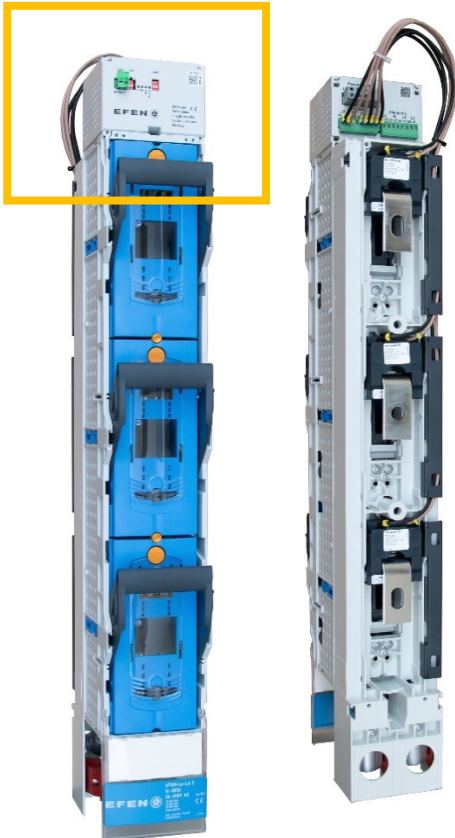
Advantages at a glance:

➤ **Compact measurements:**
Due to its compact design (installation height 70mm), the SGIM Light offers a wide range of possible applications from the cable distribution cabinet to the transformer station. Direct mounting without large wiring effort on our E³-NH fuse-switches size 1-3.

➤ **Powerful solution:**
All the relevant data for your grid analysis are collected and made available via Modbus after a quick and easy installation/configuration. The transmission can also be implemented via radio.

➤ **Easy to retrofit:**
Together with the EFEN E³-NH fuse-switches size 1-3, we offer you a simple and quick way to retrofit a complete current measurement system into your existing facilities. To make it even easier for you, we also offer a pre-assembled set.

Bestell-Nr.	Bezeichnung	Bruttopreis	Rabattgruppe
70930-0000	SGIM light	650,00 €	
70930-0030	SGIM light dummy	36,00 €	Smart Solution
70930-0040	SGIM-20 Configuration-Adapter	135,70 €	

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)...

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