
Innovative concept for green energy distribution

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The new modular kit system for low-voltage switchgear from 630 to 1250 amperes was recently presented by Sedotec. In it, the company has realised numerous trend-setting innovations. For example, the manufacturer manages without welding and still achieves protection class IP54 thanks to innovative corner connectors. In addition to modular design and freedom in the choice of switchgear, Vamocon 1250 convinces with its consistently sustainable and resource-saving design. Users are said to be able to save up to 3500 kg of CO₂. Electrical planners and switchgear manufacturers can find out about the new product live online. The company has set up its own film studio for this purpose.

"With Vamocon 1250, we have consistently thought and implemented "green" power distribution. Furthermore, we have aligned the system strictly to the wishes and needs of engineering offices, switchgear constructors, electrical installers and operators."

- Dirk Seiler, Managing Director of SEDOTEC GmbH & Co. KG

Vamocon 1250 is the latest development from Ladenburger and is a modular kit system for low-voltage switchgear from 630 to 1250 A. It is designed for the installation of switchgear components. It is designed for the installation of switchgear from ABB, Schneider Electric, Siemens, Efen, Jean Müller and Wöhner with type certificates by testing.

Save up to 3.5 tonnes of CO₂ with Vamocon 1250

What is impressive, however, is how consistently the manufacturer has taken environmental and sustainability concerns into account. For example, the new system requires up to 30 percent less copper, generates up to 20 percent less power loss and has less plastic installed. The CO₂ savings are said to amount to up to 3.5 tonnes over the lifetime of the system. The fact that Vamocon 1250 can also be used for longer and saves up to 3,000 euros per metre of switchgear is something the manufacturer is happy to calculate and thus also wants to convince controllers.

Extensive tests for design verification according to DIN EN 61439-1/-2 ensure reliable system operation. In addition, the focus is on personal and system safety. This is achieved above all by a higher form of internal partitioning. In addition, all live parts inside the cubicle are covered to protect fingers. The manufacturer was thus able to dispense with field-high plastic covers at the front.

Thanks to innovative corner connectors, the enclosure does not need to be welded, but still meets a

protection rating of up to IP54. The invention of the new corner connector with sealing function was worthy of registration as a utility model by the German Patent and Trademark Office. A variety of different cable flanges and cable grommets ensure safe cable entries into the system on site that are sealed up to protection class IP54.

Inform, configure and order online

With the aid of the intuitive Vamocad software, electrical planners and switchgear manufacturers can configure the Vamocon 1250 system online, download all documents with type certificates and import the order from the configurator directly into the SEDOTEC production system. The panels come partially equipped with copper and save time and costs during final installation. The fact that less packaging is also required underlines the consistently green approach.

Own film studio makes innovations vividly visible

Since the beginning of the year, electrical planners, switchgear manufacturers and operators have been able to find out about the ideas and innovations online. For this purpose, the company has set up its own film studio in Ladenburg and regularly organises webinars and product presentations for the target group. Various field types of the new VAMOCON 1250 system are set up in the film studio and explained and discussed directly at the control cabinet.