

Hannover Messe 2019, Hall 9, Booth D35

Siemens presents new form of data transmission for busbar trunking systems

- **Powerline technology added to Sivacon 8PS busbar trunking systems**
- **Current and data are transmitted in parallel via the conductors**
- **Additional data cables and complex cabling are no longer needed**

At this year's Hannover Messe trade fair, Siemens will present new functionality for the BD2, LD, and LI busbar trunking systems from the Sivacon 8PS portfolio. In the future the powerline technology will allow busbars to transmit not only current but also data. The company is thus making another contribution to increased flexibility, transparency, and efficiency for power distribution in the digital age.

The powerline module is integrated into the tap-off units along with communication-capable protection, switching and measuring devices. It can be connected to the busbar system with plug and play functionality. Measured data, such as power, current, and diagnostic information – such as switching cycles – can then be forwarded to higher-level automation and energy management systems via the conductors on the busbars.

“Our goal is to fully tap the potential of digitalization for electrification, from planning and installation to operation and maintenance,” explains Stephan May, CEO Medium Voltage and Systems within the Siemens Energy Management Division.

“We are continuing to further develop our technologies for this purpose. I am pleased that powerline technology now enables us to offer two functionalities in one system for the first time, making use of the Sivacon 8PS portfolio even easier and more flexible for our customers.”

Busbar trunking systems are known for their ability to effectively, flexibly, and safely transmit and distribute current. To give an example of this flexibility: With a cable solution, the power supply to adjacent machinery first needs to be disconnected when modifying an automotive production line, for instance by adding new pieces of equipment. Only then can the complex changes to the cable installation be carried out. With busbar trunking systems, the power tap-off units can be modified, added to, and replaced even while energized if necessary – subject to national standards. The new integrated powerline technology now allows busbar trunking systems to transmit not only current but also data. Transmitting current and data in parallel over the same system also provides advantages during installation, since an additional data cable is no longer needed. Tap-off units with powerline technology can be connected to existing systems at any time with plug and play capability. This eliminates downtimes, and the power supply can be flexibly adapted to the requirements at hand.

“This new integrated powerline technology also simplifies transparent operation and increases system availability in the digital factory,” says Johann Braid, Product Manager Sivacon Busbar Systems at Siemens. “By forwarding the measurement and diagnostics information to local or cloud-based applications, for example in MindSphere – the cloud-based, open operating system from Siemens – we can come up with energy efficiency measures and lower costs.”

Sivacon 8PS is the technologically – and economically – superior alternative to cable. Since the systems require less space and follow the contours of the building, they are more space-efficient than systems with cable solutions. At the same time, the busbars can be installed faster and more easily and also adapted to changing requirements. By using the new powerline technology, Sivacon 8PS busbar trunking systems are helping to create sustainable, future-oriented power distribution.

This press release and press pictures are available at

www.siemens.com/press/PR2019020153EMEN

For further information on Division Energy Management, please see

www.siemens.com/energy-management

For further information on busbar trunking systems, please see

www.siemens.com/busbar

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