

## Siemens innovates with new sensor bushing, protection and indication devices

- **Launches SIBushing as smart and intelligent cable connection bushing, together with SICAM FCM plus short circuit and earth fault indicator**
- **Complements SIPROTEC 5 series with the 7SY82 universal protection device with Low Power Instrument Transformer (LPIT) inputs**
- **Designed with sustainability at their core, the portfolio additions offer an intelligent solution for switchgear of the future**

Siemens Smart Infrastructure has expanded its industry-leading medium voltage portfolio with a sustainable and intelligent solution that paves the way for smart switchgear of the future. Due to its conformity with the instrument transformer standard IEC 61869, the SIBushing can be connected to the SICAM FCM plus (Feeder Condition Monitor), a multi-functional, short-circuit and earth-fault indicator which uses detection algorithms to indicate the direction of the cable fault. Applicable for medium voltage distribution systems up to 36kV, the SICAM FCM plus with SIBushing delivers unrivaled transparency and high-precision measurement of distribution systems, resulting also in the consumption of significantly less power, compared to conventional instrument transformer technologies.

Designed for compact, intelligent secondary substations, the SICAM FCM plus provides system operators with a solution for fast fault location and more transparency in the distribution grid. It is suitable for grounded, isolated, and compensated networks. Moreover, SICAM FCM plus offers reduced cost of installation and minimal maintenance, while its adaptive integrated temperature compensation algorithm enables high-precision measurement without calibration and adjustment to the primary operating voltages and currents.

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“An integrated approach to medium voltage power distribution is essential for energy-efficient infrastructure, buildings, and industrial applications. Through continued investment in all areas of our Electrification and Automation solutions, we are able to work with customers to ensure a reliable and resilient supply that also aids them in achieving their sustainability goals,” says Stephan May, CEO Electrification and Automation at Siemens Smart Infrastructure. “We look forward to showcasing our expanded portfolio at the upcoming Hannover Messe.”

Also being unveiled at the event is the SIPROTEC 7SY82, a multifunctional protection device with LPIT inputs. This universal protection device joins the renowned SIPROTEC 5 product family of field devices for protection, control, monitoring, and measuring applications in electrical energy systems.

LPITs in combination with the universal SIPROTEC 7SY82 minimize device variance. As a result, customers optimize their investment and operating costs, gain time in project planning, and achieve significant savings in terms of logistics and spare parts. Additionally, LPIT technology enables customers to increase the sustainability and reduce the ecological footprint of their medium voltage switchgear. Due to the new measuring inputs which conform with the instrument transformer standard IEC 61869, it is possible to connect sensors that consume less power, are safer for operating personnel and use less materials such as iron, copper and cast resin, compared to conventional instrument transformers.

The SIBushing with SICAM FCM plus and SIPROTEC 7SY82 are to be showcased at the upcoming Hannover Messe, taking place from April 17th to 21st. [Free tickets](#) are available to join the event.

This press release as well as press pictures are available at <https://sie.ag/3KQgYhV>

For further information on Siemens Smart Infrastructure, please see [www.siemens.com/smart-infrastructure](http://www.siemens.com/smart-infrastructure)

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**Siemens AG** (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power.

In fiscal 2022, which ended on September 30, 2022, the Siemens Group generated revenue of €72.0 billion and net income of €4.4 billion. As of September 30, 2022, the company had around 311,000 employees worldwide. Further information is available on the Internet at <https://www.siemens.com/>.