Media Release

SAUTER
Creating Sustainable Environments.

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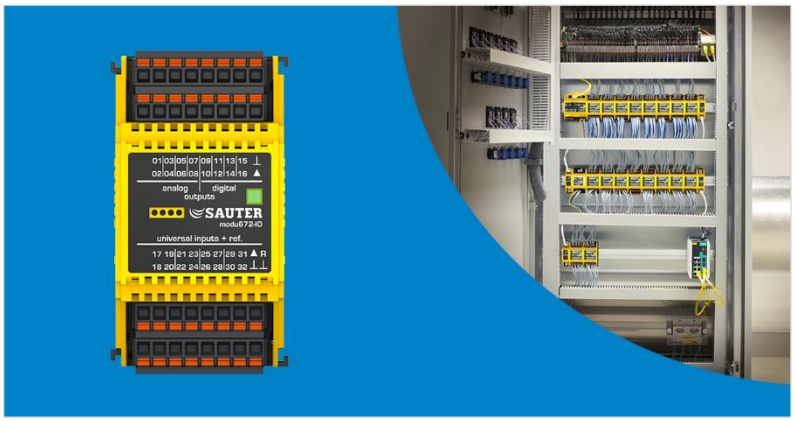
I/O module for expanding the modulo 6 automation system

SAUTER expands the modulo 6 system family. A new I/O module called the modu672-IO provides the automation station with universal inputs and outputs for measurement and control with current signals.



The new modu672-IO module complements the modu660-AS and modu680-AS automation stations as well as the modu612-LC IP coupler to extend their scope of functions. It enables actuators to be controlled using standard current signals (0…20 mA or 4…20 mA) or voltage signals (0…10 V), as well as measurement and recording of binary and analogue input variables (current, voltage and resistance). Local operating options complete the main features of the modu672-IO module.

The modular concept of modulo 6 offers flexible configuration and tailor-made performance. The modules have pluggable spring-type terminals and can be lined up in front of each other. A total of up to 24 modules (I/O and COM) are possible.

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Advantages of 0…20 mA current signals

- **Immunity to interference:** Current signals (0…20 mA) are less susceptible to electromagnetic interference and voltage losses over long cable runs compared to voltage signals (0…10 V). This makes current signals more reliable in industrial environments with a lot of electrical interference.
- **Constant signal strength:** The current remains constant along the entire line, while the voltage can drop over long distances due to the resistance in the cables. This means that 0…20 mA signals can be transmitted more accurately and consistently over longer distances.
- **Unambiguity of the signal:** With current signals (4…20 mA), an interruption in the line (such as a cable break) can be easily detected, as the current then drops to 0 mA, which is interpreted as an error.
- **Avoidance of earthing effects:** Since current loops, unlike voltage measurements, are not directly connected to earth, there are fewer problems with earthing loops that could lead to measurement errors.

These advantages make 0…20 mA (or 4…20 mA) signals a preferred choice in industrial control and automation applications, especially when it comes to accuracy, reliability and long-distance transmission.

An addition to the SAUTER system family

The SAUTER modulo 6 system generation combines building technology that has been established for many years with the digitalisation of buildings. With the modu672-IO, SAUTER offers a powerful and flexible solution for expanding existing automation systems which meets the requirements of modern HVAC technology.

The modu672-IO is available as of now.

About SAUTER

New building, refurbishment or building operation - SAUTER is your reliable partner for sustainability, operational safety and comfort of real estate. With our intelligent solutions for building control, room automation and technical facility management, we safeguard your investment and support you in achieving your ESG goals. We create sustainable environments. Since 1910.

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The SAUTER Group

- Global company headquartered in Basel, Switzerland
- Technology leader in the field of building automation, system integration and building services
- Focus: maximum energy efficiency and sustainability
- Goal: investment and operational safety throughout the entire building life cycle
- Member of the BACnet Interest Group (BIG-EU), BACnet International, EnOcean Alliance as well as the eu.bac, KNX and DALI Alliance (DiiA)

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