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## SAUTER modulo 6 - BACnet BTL certification

*BACnet is the worldwide standardized communication protocol for building automation and its control networks ("Data Communication Protocol for Building Automation and Control Networks"). It is an open standard, independent of specific technologies and manufacturers, which allow data to be exchanged between all building automation devices. This enables the use of products from different suppliers without having to worry about their compatibility. It is used for field devices such as sensors, drives and controllers as well as embedded systems, PC-based management systems for Linux or Windows, cloud-based applications and services.*

The new modulo680-AS, a SAUTER modulo 6 automation station, has recently been BTL-certified in accordance with the current BACnet Standard Revision 1.16.



### New features due to revision 1.16

1. Increased compatibility with third-party devices
2. Increased precision of the feedback signals
3. Simple and standardised activation/deactivation of alarms

In addition to new functions resulting from the revision, the test plan extends the requirements for existing features and increases their security.

The new Fault algorithm introduced with Revision 16 is intended to identify malfunction. For example, a shortcut or a broken wire in a sensor would result in extreme values in an Analog Input, which would not be representative of the real environmental measurement. This algorithm replaces the previously available proprietary implementation, as well as the proprietary properties.

### **BIBB addition**

A BIBB is a BACnet Interoperability Building Block which defines a set of services and telegrams which enables the devices to interact through a request-response communication.

- AE-CRL-B

Thanks to this alarm BIBB, it's now possible to write a Recipient\_List property with a simple WriteProperty service. In other words, a user with a BACnet clients from a computer can easily enable or disable alarm functions for different alarm recipients. Moreover, SAUTER modulo 6 is interoperable with SAUTER Vision Center and any software that supports AE-AVM-A.

SAUTER modulo 6 is unequalled in terms of performance with its data points, memory space and processing speed. The device has reached a new quality level with this BACnet revision 1.16 BTL certification.

### **About SAUTER**

As the leading provider of solutions for building automation technology in Green Buildings, SAUTER ensures good climate conditions and a sense of well-being in sustainable environments. SAUTER is a specialist in developing, producing and marketing products and systems for energy-efficient total solutions, and offers a comprehensive range of services to ensure the energy-optimised operation of buildings. Our products, solutions and services enable high energy efficiency throughout the entire life-cycle of a building – from planning and construction through to operation – in office and administrative buildings, research and educational facilities, hospitals, industrial buildings and laboratories, airports, leisure facilities, hotels and data centres. With over 100 years' experience and a track record of technological expertise, SAUTER is a proven system integrator that stands for continuous innovation and Swiss quality. SAUTER provides users and operators with an overview of energy flows and consumption, and therefore of the development of the costs involved.

### The SAUTER Group

- Company active worldwide with headquarters in Basel, Switzerland
- Founded in 1910, it is built on more than 100 years of tradition and experience
- With more than 2,300 employees, it is present and active globally
- Complete building management solutions from a single source.  
Focus: maximum energy efficiency and sustainability
- Investment protection and operational reliability over the entire building life-cycle
- Technology leader in the building automation and system integration sector
- Member of eu.bac, BACnet Interest Group (BIG-EU), BACnet International, EnOcean Alliance
- Excellent references available at [www.sauter-controls.com](http://www.sauter-controls.com)