



# Protecting people – reducing costs

The safety in group 2 medical locations such as operating theatres and intensive care units is of vital importance for patients and staff. Therefore, the electrical system must function at any time, even in the event of voltage faults. The compact ATICS® automatic transfer switching device combines maximum safety with smart additional functions and pays for itself within a short period of time.

## **Proven and unique**

As a specialist for innovative solutions in the area of electrical safety, we have developed the ATICS® automatic transfer switching device. This device operates with a resilient changeover shaft and smart control electronics. Its compact design clearly stands out from other conventional solutions and thereby offers distinct advantages to consultants, electricians, hospital operators as well as staff and patients.





Maximum
performance –
minimum space
requirements





The ATICS° automatic transfer switching and monitoring device is a highly compact all-in-one solution. It replaces traditional multi-component systems with high space requirements and installation effort. At the same time, it offers more standard functions and additional expansion options.

### **Compact system solution**

The ATICS® all-in-one device is currently the most compact solution on the market. All components are integrated in one enclosure and are optimally adjusted to one another. This reduces the connection effort and the probability of errors. In addition, it offers clear advantages in terms of maintenance and service.

## **Changeover function**

ATICS® is a patented changeover solution with mechanical and electrical interlocking as well as weld-free switching contacts.

## **Integrated load switch**

The load switch integrated in the automatic transfer switching and monitoring device reduces the connection effort and minimises possible sources of error.

# **Short-circuit monitoring**

The system continues to operate properly and avoids contact welding, even in the event of a short circuit. The patented short-circuit detection enables fast changeover in the event of a power failure on the incoming supply, and when a short circuit occurs, it implements a predetermined changeover delay so that the fuses can trip.

# **Voltage monitoring**

Voltage monitoring at both inputs and at the output provides maximum safety.

## **Insulation measurement (internal)**

Thanks to the internal insulation measurement, external components and additional cabling can be omitted. At the same time, the design remains highly compact.

#### Insulation fault location

Thanks to the integrated locating current injector, the optionally available insulation fault location system can be easily connected.















Bender is one of the world's leading providers of electrical safety in hospitals. In addition to the ATICS® automatic transfer switching and monitoring device, we offer a range of components which are optimally adjusted to it.

## **ATICS BP** bypass switch

The bypass switch enables maintenance and service works during ongoing operation as well as the mandatory annual functional test.

## IT system

The standard-compliant, medical IT system is the heart of the power supply of group 2 medical locations and protects patients, staff and the equipment.

#### Insulation fault locator EDS151

The compact EDS151 insulation fault locator enables automated localisation of insulation faults in medical IT systems.

## **Additional system components**

Depending on the requirements, additional components can be integrated and connected to design an optimally coordinated system.

- Residual current monitoring systems
- Measuring instruments
- Isolated power panels
- Isolating transformers
- Alarm indicator and test combinations
- Alarm indicator and operator panels

# Our service range

We offer competent and comprehensive support to our customers in terms of planning, realisation and operation of their group 2 medical location. We will be happy to advise you on our service components.



# Bender GmbH & Co. KG

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