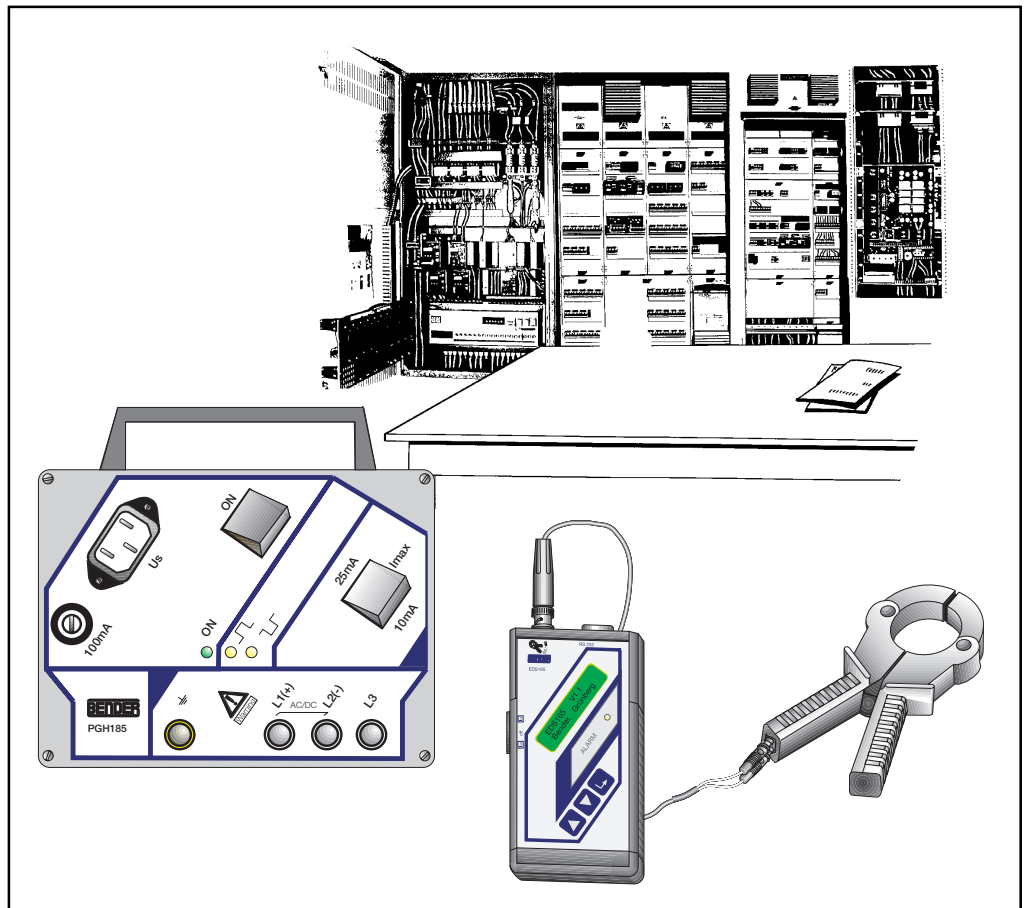


# Higher operational availability of IT-Systems

by portabel Insulation Fault Location  
with EDS3065

- **Optimized protection for people and equipment**  
by maintaining a high insulation resistance of electrical systems
- **No disconnection of the electrical system,**  
insulation fault location is carried out during operation
- **Reduces costs**  
by fast location of the insulation fault and less personnel costs and time
- **Improves preventive maintenance**
- **Max. test current 10mA/25mA selectable**
- **Stand-alone or supplementary use to the EDS470 system**



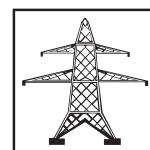
## Industry, general

- Automotive industry
- Food industry
- Chemical plants
- Paper-mills



## Traffic engineering

- Ships
- Airports
- Railway
- Cranes



## Power supply

- Power plants
- Power distribution
- Control circuits
- Main circuits

## Low Insulation Resistance - Continuity of service is no longer guaranteed

Keeping the insulation resistance at a high level is very important to guarantee operational safety and availability of electrical systems. For that reason, all preventive maintenance actions shall keep the insulation resistance at its initially high level and protective devices shall detect and signal a decreasing insulation level as early as possible. That improves personnel protection, helps to avoid service interruptions and finally results in cost reduction.

In IT systems the insulation monitoring device is an essential component. It monitors the insulation resistance continuously and alarms immediately when the value falls below the pre-set response value. That provides important information to take the necessary steps, e.g. within the scope of preventive maintenance, before unwanted service interruptions occur. Of course, the most important measure to be taken is to locate and clear the insulation fault as soon as possible.

Especially in branched and extended IT systems this is not very simple and used to be time-consuming and expensive. In order to locate the faults, often weekend-work was necessary as the installation had to be disconnected. These problems are solved with EDS3065.

### Standard requirements

According to DIN VDE 0100 Teil 410:1983-11 Ab. 6.1.5.7 and IEC364-41 Pkt. 413.1.5.4 (Note) it is recommended to clear the insulation fault as soon as possible.

## Practicable insulation fault location in all IT systems

The EDS3065 system was consequently designed for the requirements of the application. The result was an insulation fault location system being superior by its improved functionality and user-friendliness.

- **Easy to use**

Connect the test device to the system. Embrace the conductors of the respective branches by means of the clamp-on probe. The evaluator unit becomes immediately ready for operation, i.e. it does not need to be balanced. The fault memory even allows to detect short-time insulation faults.

- **Clear information via LCD Display**

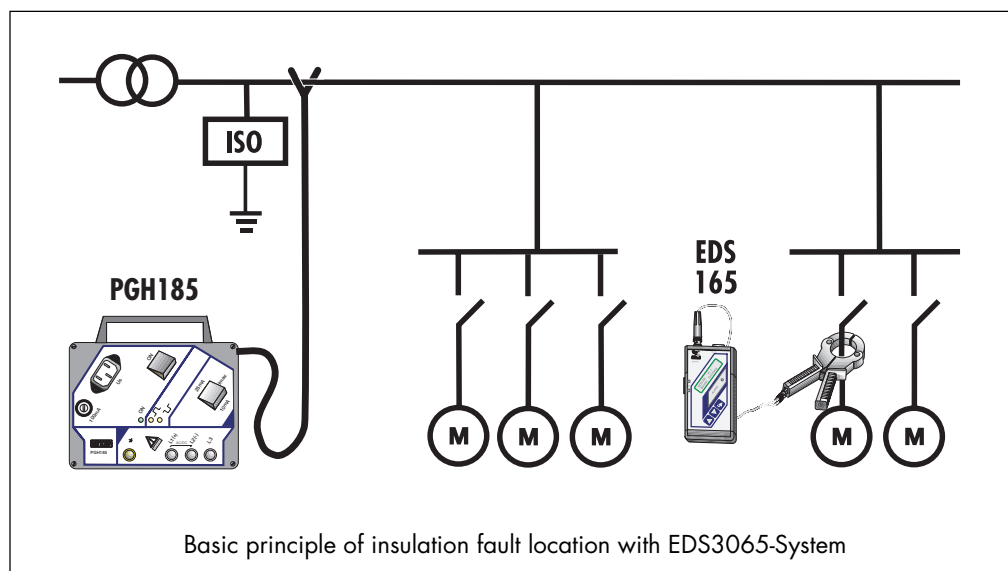
The test current of the individual branch is indicated on the LCD display. That allows to track the path of the fault current to the fault location. The LCD display also informs about the battery status and indicates if the connection to the clamp-on probe is interrupted.

- **Reduced maintenance costs and down-time**

Fault location is carried out during operation. Hence, costs are reduced since the system does not have to be disconnected and there is no need of establishing special shifts for fault location.

- **Universal for all IT systems**

The EDS3065 system is suitable for a.c. and 3(N) a.c. IT systems 24 ... 500 V and d.c. systems 24 ... 360 V. For the application in TN systems the EDS165 residual current measurement can be selected.



### EDS3065-system components

- 1 Aluminium case
- 1 Test device PGH185
- 1 Evaluator device EDS165
- 1 Clamp-on probe PSA3012  $\varnothing$  12mm
- 1 Clamp-on probe PSA3054  $\varnothing$  54mm
- 1 Cable set
- 1 Power supply cable
- 1 Battery charger incl. battery

Type	U <sub>N</sub>	Art.-No.
EDS3065	AC230V	91082004
EDS3065-13	AC90-132V	91082005

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