

## **Technical Bulletin**

### **Device installation in wet-cleaned floors**

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This technical bulletin provides you with information on specific technical subjects. It is based on the current rules and regulations and on our current test results. The contents of this document is not legally binding.

## Device installation in wet-cleaned floors

### General requirements

The standard DIN VDE 0634 Part 1 describes two options for device installation in wet-cleaned floors: installation in service units protruding above the surface (e.g. in a Telitank) and installation in variable height units (e.g. GRAF9 or cassettes RKF and RKFN for tube installations).

The required moisture protection comprises the resistance of the service unit against a short-term water level of 10 mm on the floor surface in both used and unused states. Unclosed openings (for conductors) must be at a distance of 30 mm to the floor surface – splashproof protection.

During wet cleaning, brief wetting of the floor covering with liquid cleaning agent is expected. Wiping and wet scrubbing, either manually or mechanically, are permitted.

### Testing of the moisture resistance of variable height service units

The service unit is subjected to an even water level of 10 mm. All the sealing surfaces must be dry and free of grease. The test lasts 10 minutes. Directly after the test, there is an investigation of the interior of the service unit. During the test, no significant amounts of water may enter the unit and have reached parts carrying voltage.

### Wet-cleaning

The requirements and testing specified in the standard ensure that there is sufficient moisture protection – not watertightness – against brief wetting of the floor covering, as experienced during normal cleaning and normal cleaning intervals. The requirements of the standard do not expect continuous wetting of the floor covering. In addition, high-pressure cleaning, as carried out by cleaning vehicles, is not part of the standard. The high pressure presses dirt particles and large quantities of cleaning fluid into the seal of the installation units and will cause long-term damage to the seal.

### Ackermann system solutions

All the products indicated as suitable for wet-cleaned floors fulfil the requirements of DIN VDE 0634. Any additional requirements require prior clarification and agreement.