

Wega 1 LV for low-voltage applications

PASSION FOR PERFECTION



The Wega model for low-voltage applications ensures maximum safety for operating personnel

The latest Wega 1 LV model now enables voltage testing based on IEC 62271-213. The proven safety concepts from medium and high voltage are now possible for low voltage applications.



Product features and advantages of the Wega 1 LV

- ▶ Fully encapsulated electronics - High operational reliability under all environmental conditions
- ▶ Integrated maintenance test - Maintenance-free
- ▶ Developed according to IEC 62271-213 - Proven safety concepts from high voltage to low voltage applications
- ▶ -40°C to +75°C - Extended temperature range for various applications
- ▶ Tool-free installation - Saves installation time
- ▶ High display contrast - Excellent readability



Set consisting of Interface box (capacitive coupling), connection cable and Wega 1 LV

Notes on IEC 62271-213

The Wega 1 LV deviates from IEC 62271-213 in two respects:

1. The standard was actually developed for rated voltages > 1 kV, but the safety concepts are also used for low voltage in Wega 1 LV.
2. The voltage arrow symbol for „voltage present“ is already displayed at a voltage of 50 V to warn the user of dangerous residual voltages. The dot symbol in the display, which in the Wega series indicates that the interface conditions according to IEC 62271-213 are fulfilled, is also designed for the Wega 1 LV according to the thresholds of IEC 62271-213.

Display of the Wega 1 LV



Voltage present

Threshold value for voltage presence indication: 50 V

Installation note: The voltage signal is too low when operating the system at nominal voltage. The cause is usually an incorrect use of the Wega 1 LV, e.g. the operation of the switchgear at a nominal voltage that is lower than originally envisaged.



Voltage present and passed integrated maintenance test

The current flowing through the display unit meets the current monitoring requirements of IEC 61243-5 (section 5.28) and IEC 62271-213 (section 11.4.2). A maintenance test is not necessary due to the continuous monitoring.



Voltage not present

When the system is switched off at all poles, all symbols are switched off.
Voltage applied <50V



Find out more on our website