

VOLTAGE DETECTION SYSTEM
VDS 001



The voltage detection system (VDS) is used to detect the presence of phase voltages on MV power lines.

The VDS001 is designed for mounting in indoor switchgear cabinets. The length of the connecting cabling can be adapted to customer wishes. The evaluation unit of VDS001 is equipped with plastic parts for fixing to the side wall of the MV switchgear cabinet. The VDS001 satisfies the requirements of ČSN EN 61243–5 standard, as well as the voltage requirements of GOST 1516.3 – 96 standard.

Other technical parameters need to be agreed with the manufacturer.

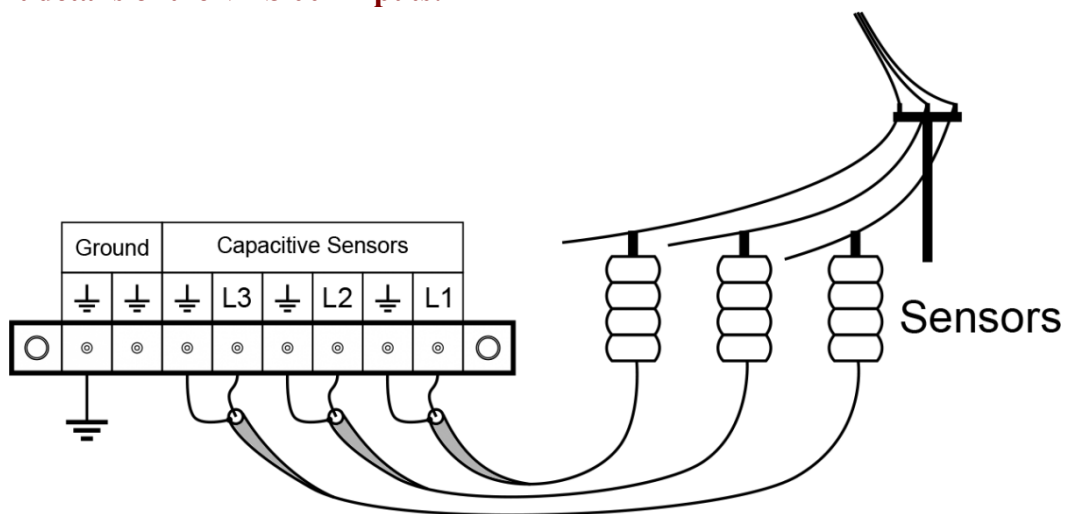
The VDS 001 consists of the following parts:

- a set of sensors (depending on the level of the sampled voltage)
- cabling
- evaluation unit for VDS001

Technical parameters of the VDS 001 system

Highest voltage of the system:	12, 24, 38.5 kV
AC withstand test voltage:	28, 42, 50, 80 (90) kV
Lightning impulse withstand test voltage:	75, 125, 180 (195) kV
Rated primary voltage:	6 - 12 kV, 15 - 22 kV, 30 - 35 kV
Frequency:	50 Hz
Temperature class of electrical insulation:	E
Standards:	IEC 61243-5, GOST 1516.3-96

Circuit details of the VDS 001 inputs:



Technical drawing of the VDS 001 unit

