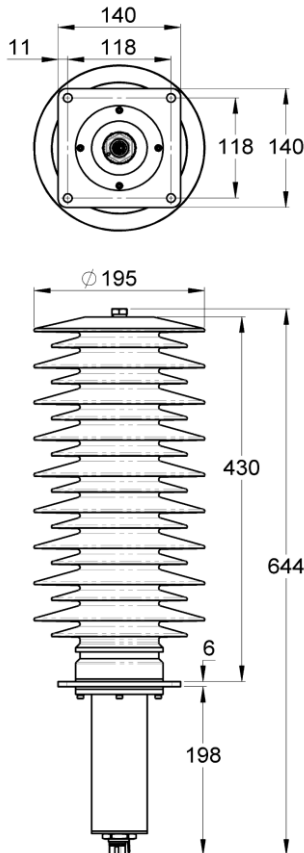


OVS-52

OUTDOOR CAPACITIVE VOLTAGE SENSOR



DIMENSIONS



GENERAL FEATURES

Outdoor dry type capacitive voltage sensor. Technically designed to withstand ferroresonance phenomenon and fast transient voltages. Connected on medium voltage network, phase to ground, it provides a current loop of 4-20mA, proportionally to the rms value of high voltage signal. Its silicone molded insulator with large creepage distance gives perfect insulating properties in aggressive and polluted environments. A low voltage auxiliary supply is required.

- ✓ **Standard** : IEC 61869-1 | EN 50124-1
- ✓ **Creepage** : 1740mm
- ✓ **Flashover** : 480mm
- ✓ **Ambient temperature** : up to -40/+70°C



ELECTRICAL FEATURES

- ✓ **Insulation level** : up to 52/95/250kV
- ✓ **Frequency** : 50Hz | 60Hz
- ✓ **Primary voltage (Un)** : 25000V | 27500V
- ✓ **Voltage factor** : 1.2Un Perm. & 1.9Un 8H
- ✓ **Accuracy** : $\pm 3\%$
- ✓ **Linearity** : $< 1\%$
- ✓ **Response time** : $< 0.2s$
- ✓ **Primary capacitance** : 40pF $\pm 20\%$
- ✓ **Secondary current** : 4mA @0kV and 20mA @30kV for network 25000V
4mA @0kV and 20mA @33kV for network 27500V
- ✓ **Auxiliary power supply** : 90-305V AC or 100-400V DC (5VA/2W)



MECHANICAL FEATURES

- ✓ **Approximate weight** : 10 kg
- ✓ **Cable outlet** : Phoenix Contact connector ref: 1409206 factory mounted
- ✓ **Primary connection** : M10 screw



OPTIONS

- ✓ **Coupler connector Phoenix Contact ref: 1017632 with 4x 2.5mm² cable (length to be defined)**