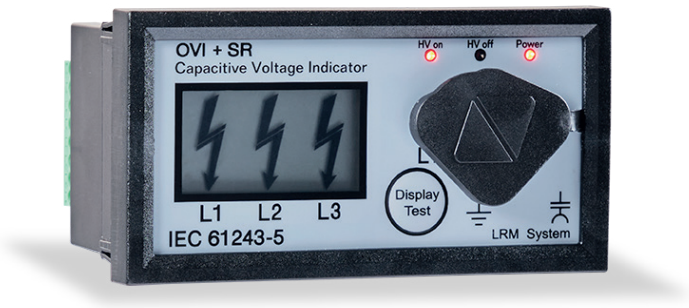
OVI+SR

LRM Capacitive Voltage Indicator



OVI+SR is used for determination of voltage presence and absence in Medium Voltage equipment according to IEC 61243-5 standard.

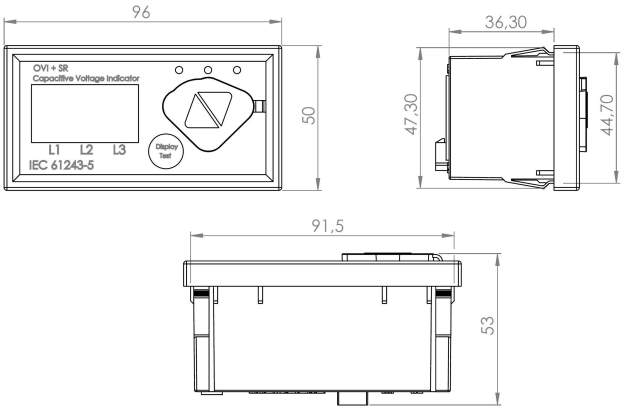
Features

- IEC 61243-5 compliant
- LRM type
- Easy for installation and maintenance
- No auxiliary power is needed for voltage detection
- 3 Phase LCD with bigger screen
- 4 testing points for measuring at front panel
- 2 Stage of indication
- Integrated test point, self-test function without any auxilary power
- Wide auxiliary input range (24-230V AC/DC)
- 2 Change-over contacts for status monitoring
- 2 LED indicators for contacts status, 1 LED indicator for power

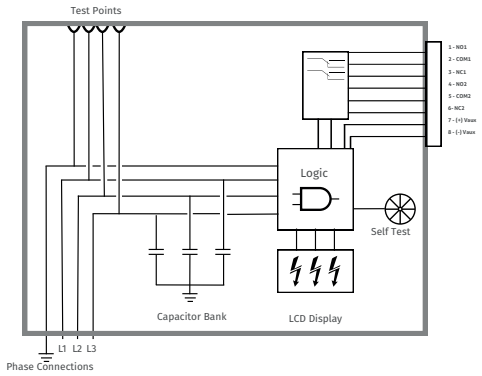
Technical Parameters

Rated Frequency 50 - 60 Hz	**Contact output** 5A, 250VAC or 30VDC with resistive load	**Dimension** 96 x 50 x 53mm
Threshold Voltage 10% to 45%Un	**Auxiliary power** 24 – 230V AC/DC	**Weight** 195g
Operating Temperature -25°C to +55°C	**Protection Class** IP54 (Front)	**Cutting Size** 92 x 45 mm
Storage Temperature -30°C to 80°C	**Connection Leads** 4.8 x 0.8mm faston terminal	**Power consumption** Less than 2W

Technical Drawings



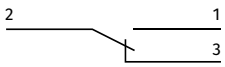
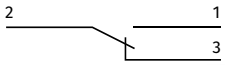
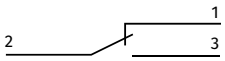
Connection Diagram



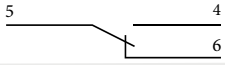
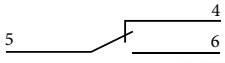
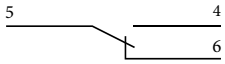
Indication Status

Indication of LCD	Indication with normal operation	Status of phase voltage U	C2 module in normal operation
↯	Nominal Voltage Present	U > 45%*Un	C2 Module correct
↯	Voltage Present	10%*Un < U < 45%*Un	C2 Module > Max.
No Indication (Power Led On)	No Voltage Vaux is On	U < 10%*Un Vaux On	C2 Module >> Max.
No Indication	No Voltage Vaux is Off	U < 10%*Un Vaux Off	C2 Module >> Max.

Relay Function Table

Phase Voltage	Auxiliary Power	Relay 1
Any Situation	Off	
All Phases U < 10%Un	On	
At Least 1 Phase With U > 45%Un	On	

Relay Function Table

Phase Voltage	Auxiliary Power	Relay 2
Any Situation	Off	
At Least 1 Phase with U < 10%Un	On	
All Phases U > 45%Un	On	

Required data for order

- ✓ **Capacitance of coupling electrode C1**
- ✓ **Cable type and length**
- ✓ **Nominal voltage Un**