

# CAPACITIVE VOLTAGE SENSORS FOR SCREENED SEPARABLE CONNECTORS

FOR INTERFACE C (EN 50180/EN 50181) UP TO 24 kV

## KEY FEATURES

- High accuracy class suitable for metering, measuring and signaling tasks
- Tested according to the latest IEC-61869-11 and CENELEC HD629.1 S2
- Compact design using shortened cone for asymmetric T-connector
- Total galvanic isolation from the high voltage
- Capacitive voltage sensors can act as coupling capacitance for on-site partial discharge monitoring
- No need for auxiliary power supply
- Easy installation suitable for retrofit on medium voltage network

TE Connectivity's (TE) Raychem capacitive voltage sensors for screened separable connectors are 24 kV low-power voltage transformers embedded into TE's Raychem screened separable connection system RSTI 800A up to 24 kV. TE's RSTI screened separable connector fits 630/1250A bushings type "C" as specified by EN 50180 and EN 50181.

Our capacitive voltage sensors are suitable for measurement and protection applications. They must be connected to meters and relays of new generation.

The capacitive voltage sensors are passive medium voltage instrument transformers based on capacitive voltage divider concept. They require no external power supply or battery. They provide inherent safety due to their capacitive divider concept, which has galvanic isolation from high voltage.

The capacitive voltage sensors are calibrated in the factory and no need for any further adjustment on site.

They are suitable for both new installations and retrofit solutions in medium voltage networks.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

## Capacitive Voltage Sensors for Screened Separable Connectors



### TECHNICAL DATA

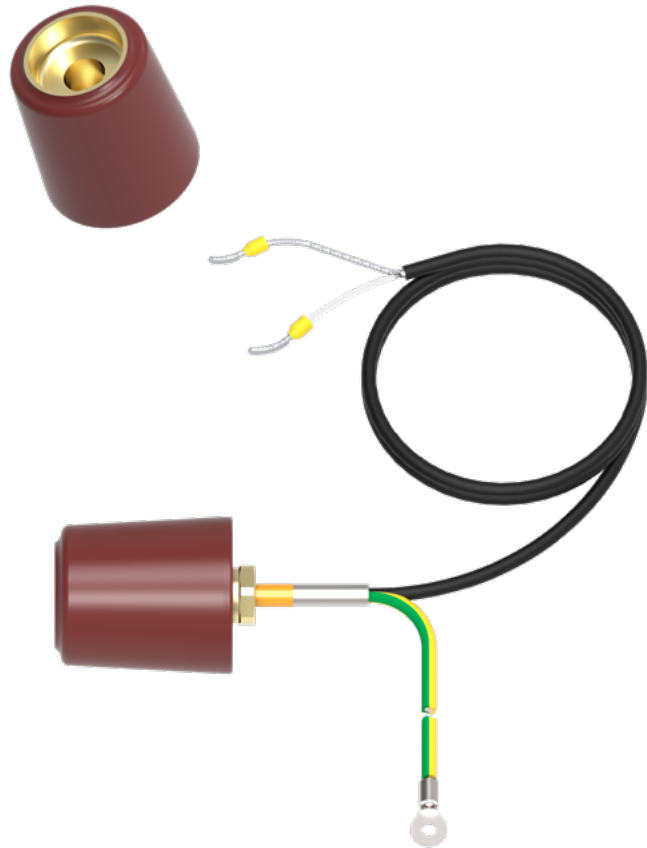
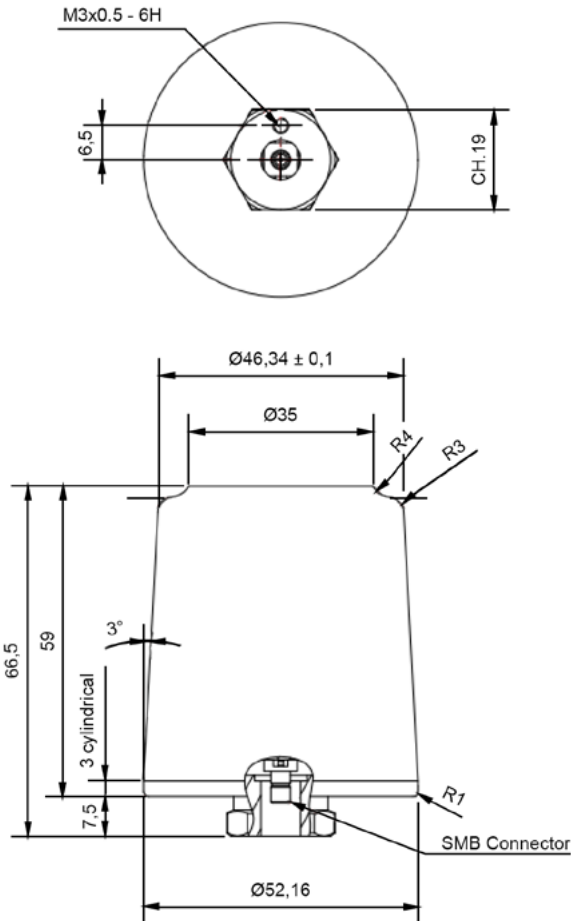
Insulation level (kV)	Accuracy class (via calibration correction factor in IED)		Rated burden, Rbr* (MΩ)	Rated primary voltage, Upn (kV)	Rated secondary voltage, Usn* (V)	Maximum voltage, Um (kV)	Rated voltage factor, Ku (V)	Nominal frequency (Hz)	Nominal transformation ratio, Kn* (V)	Bandwidth (-3dB) (Hz)	Applicable standard	Weight (Kg)
max. 24/50/125	for protection	3P	2 (or any value ≥ 1)	20/√3	3.25/√3	24	1.9 for 8h	50/60	20 k / 3.25 (or 10 k / 1 )	5 - 5 M	IEC-61869-11 CENELEC HD629.1 S2	0.25
	for measurement	0.5										

\* Parameter selectable by the customer at the time of the order:

- Rated burden
- Rated secondary voltage
- Length of connection cable
- Terminal of connection cable

### ORDER INFORMATION

Product description	Product number
RSTI-VS-24-BP	EN5812-000



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