

sensART ICFH-4

Current Phase Sensor (LPCT)

Low Power Current Transformer (LPCT)
suited for MV overhead lines.



APPLICATIONS

Current measuring over switch bushing for smart grid applications under IEC 61869-10:2017 standard.

MAIN FEATURES

- > For installation on overhead switch bushing.
- > Protection and measure functions using the same sensor.
- > Easy installation.
- > Based on IEC 61869-10:2017 standard.
- > Small dimensions, suitable for new installations and retrofits.
- > Onsite calibration is not required.
- > Easy wiring with FTP cable and M12 connectors.
- > Possibility of using same FTP cable combined with voltage sensor in order to avoid wiring mistakes.

TECHNICAL SPECIFICATIONS

Electrical Characteristics	
Insulation level	1,2/6 kV
Type tests	IEC 61869-10:2017 / IEC 61869-6:2016
Short-time thermal current (I_{th})	20 kA
Environmental conditions	Operation: -25°C to +60°C
Installation	For installation over switch bushing
Frequency (f_r)	50/60 Hz
Accuracy	CI 0.5S/5P 10000 A
Phase offset (φ_o)	0°
Burden (R_{br})	$\geq 2 \text{ k}\Omega$ (*)
Low power output signal (*)	500 A @ 225 mV
Connection type	RJ 45

(*) Other characteristics under request.

RJ45 Pin out	PIN:	1	2	3	4	5	6	7	8
Passive LPCT		S1	S2						
Passive LPVT								a	n

DIMENSIONS

> Dimensions in mm

