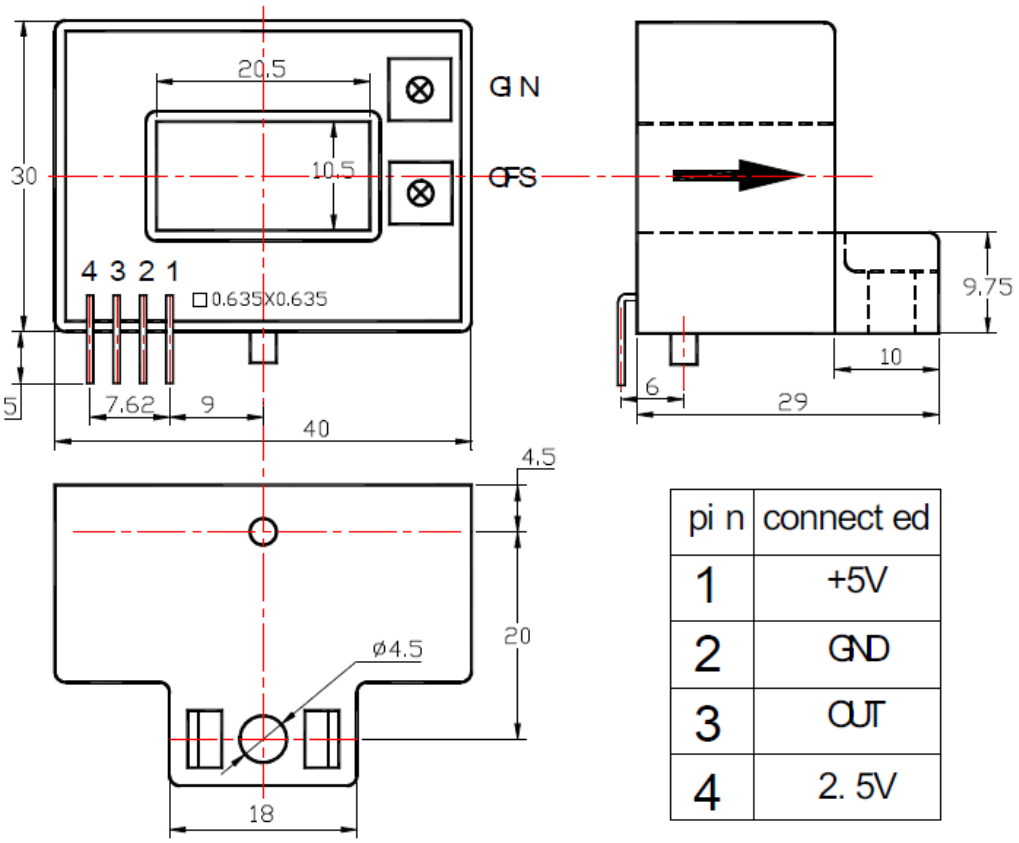
HALL EFFECT CURRENT TRANSDUCER OPEN LOOP 50A (V. Output)
HCT-50BP5

NOTES

1.- DIMENSIONS AND PINS CONFIGURATION

HCT-50BP5



pi n	connect ed
1	+5V
2	GND
3	OUT
4	2. 5V

All dimensions are in mm.
General Tolerance ± 0.5 mm.
All dimensions and mechanical fixations are subjected to change depending on the customer necessities and PREMO Transducer Development.

NOTES

2.- ELECTRICAL PARAMETERS

Primary Nominal Current	50 A RMS	Ipn
Measuring Range	± 100 A DC	Ip
Secondary Nominal Voltage at Ip = 0	2.5 ± 0.5%(Full Scale)	Vo
Rated Output at Ip	3.5 ± 0.5%(Full Scale)at Ipn 1.5 ± 0.5%(Full Scale) at -Ipn	
Supply Voltage (± 5 %)	+ 5 ±5%V	Vcc
Current Consumption	<40 mA	Icc

3.- ACCURACY

Accuracy at Ip T = 25 °C	< ± 0.5 %	a
Linear Error (Full Scale) Vcc = +5V	< 1 %	e_{LLR}
Offset Voltage	< ± 15mV	V_{OS}
Offset Voltage Drift	± 0.6mV/°C	KV_{OS}
Time Response (10% to 90% of Ip) Related to di/dt Specificated	< 3us	T_R
Frequency Bandwidth	DC to 20kHz (-3dB)	F_C

- * Electrical Parameters and frequency response to be checked with samples.

4.- OUTPUT CONNECTOR

Connection	PTH	

5.- GENERAL DATA

Operating Temperature	-40 to +85 °C	T_A
Storage Temperature	-55 to +125 °C	T_S
Weight	65 g	
Basic Insulation (Between Primary and Measurement Current)	3000 V AC 50Hz 1'	V_I

NOTES

6.- EDITION CONTROL

Edition	Date	Change description	Made by
1st	23/08/10	First Edition	Marta Escolar

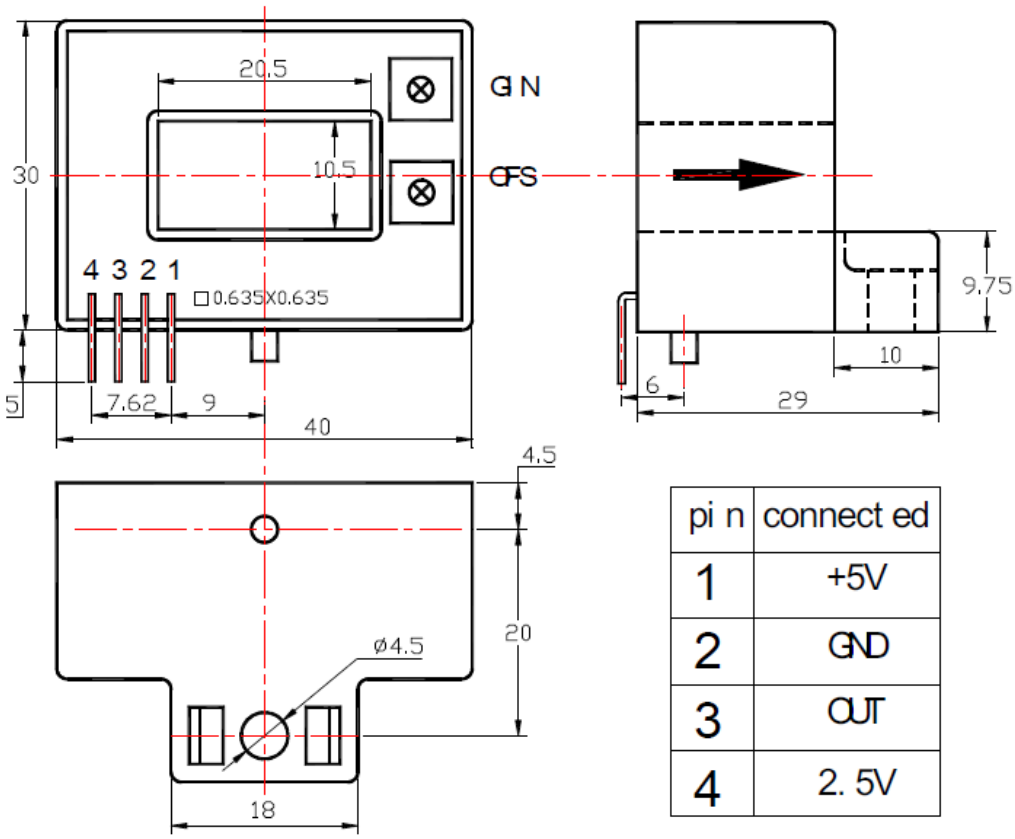
NOTES

HALL EFFECT CURRENT TRANSDUCER OPEN LOOP 100A (V. Output)
HCT-100BP5

NOTES

1.- DIMENSIONS AND PINS CONFIGURATION

HCT-100BP5



pi n	connect ed
1	+5V
2	GND
3	OUT
4	2. 5V

All dimensions are in mm.
General Tolerance ± 0.5 mm.
All dimensions and mechanical fixations are subjected to change depending on the customer necessities and PREMO Transducer Development.

NOTES

2.- ELECTRICAL PARAMETERS

Primary Nominal Current	100 A RMS	Ipn
Measuring Range	± 200 A DC	Ip
Secondary Nominal Voltage at Ip = 0	2.5 ± 0.5%(Full Scale)	Vo
Rated Output at Ip	3.5 ± 0.5%(Full Scale)at Ipn 1.5 ± 0.5%(Full Scale) at -Ipn	
Supply Voltage (± 5 %)	+ 5 ±5%V	Vcc
Current Consumption	<40 mA	Icc

3.- ACCURACY

Accuracy at Ip T = 25 °C	< ± 0.5 %	a
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