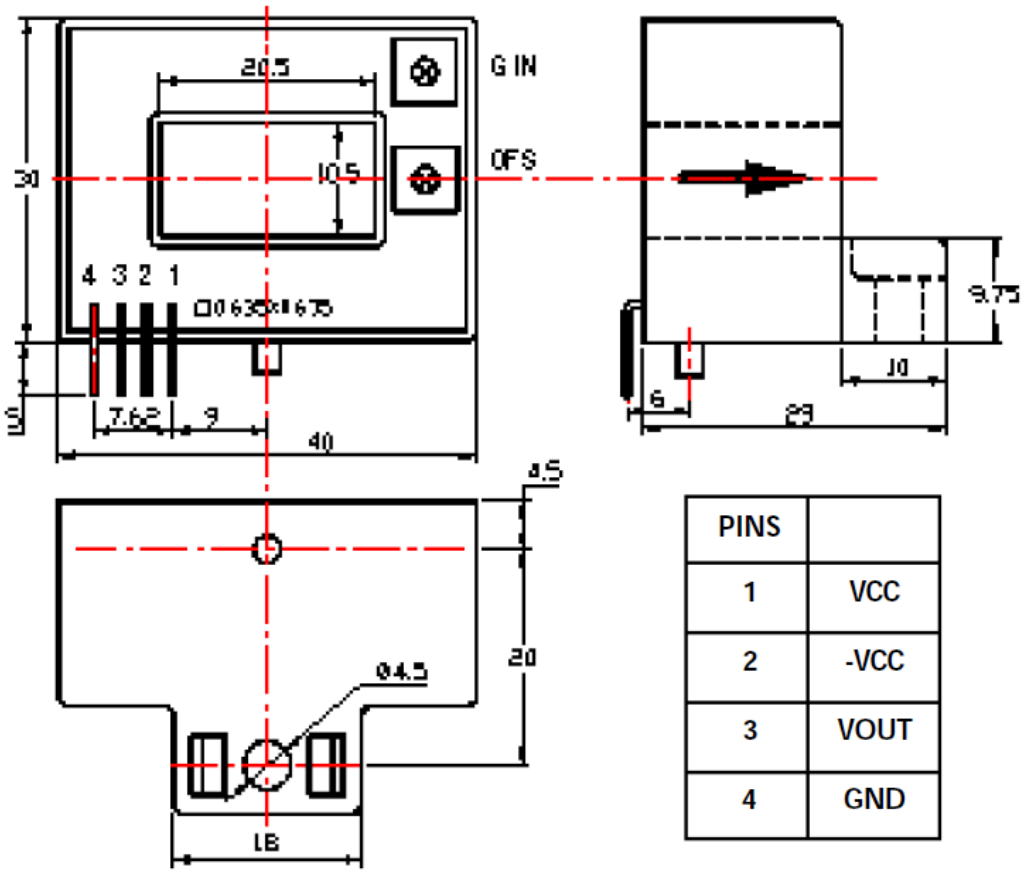
HALL EFFECT CURRENT TRANSDUCER 200A
OPEN LOOP VOLTAGE OUTPUT

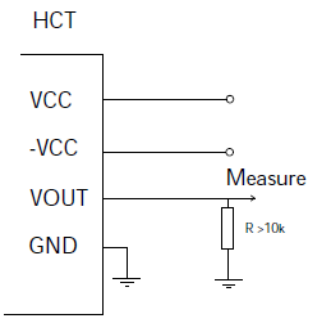
NOTES

1.- DIMENSIONS AND PINS CONFIGURATION



PINS	
1	VCC
2	-VCC
3	VOUT
4	GND

RECOMMENDATION FOR CONNECTION



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	200 A RMS	Ipn
Measuring Range ± 18 Vin	± 600 A DC	Ip
Secondary Nominal Voltage	4 V ±1% RMS	Vs
Supply Voltage (± 5 %)	± 15 V	Vcc
Current Consumption	12 mA (Vcc = ± 15 V)	Icc

3.- ACCURACY

Accuracy at Ip T = 25 °C	< ± 1 %	a
Linear Error (2 to Ipn)	< 1 %	e_{LLR}
Offset Voltage	± 25mV Max	I_{OS}
Offset Voltage Drift	± 0.5 mV/°C	KI_{OS}
Time Response (10% to 90% of Ip) Related to di/dt Specificated	< 3us	T_R

- * 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)	2500 V AC 50Hz 1'	V_I

6.- EDITION CONTROL

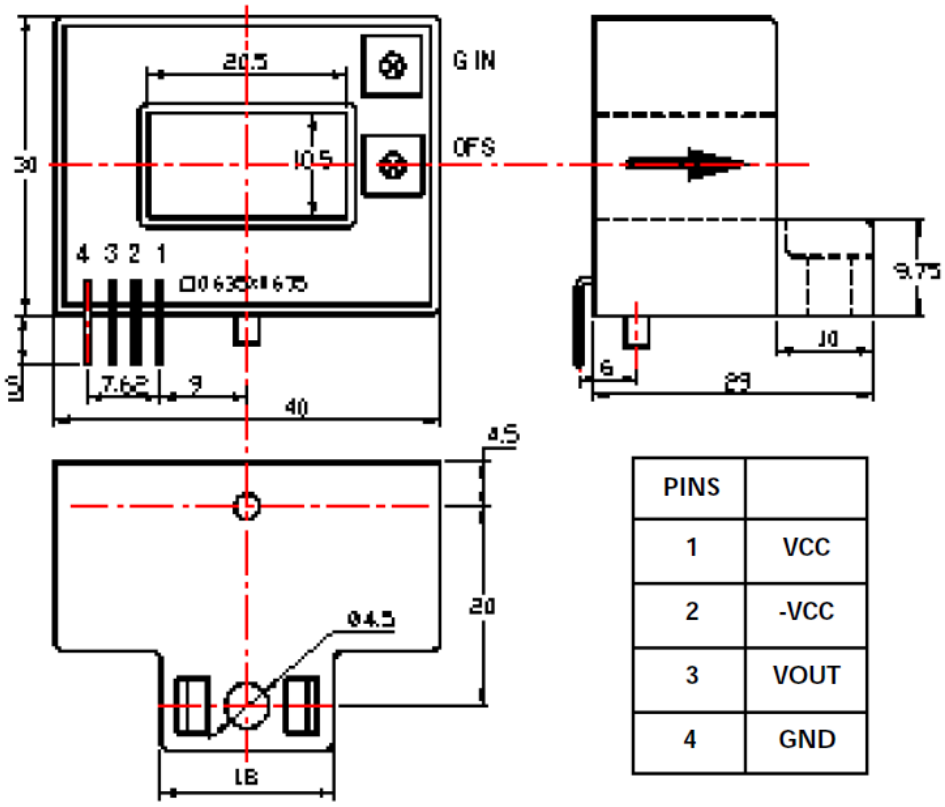
Edition	Date	Change description	Made by
1st	23/08/10	First Edition	Marta Escolar

NOTES

HALL EFFECT CURRENT TRANSDUCER 600A
OPEN LOOP VOLTAGE OUTPUT

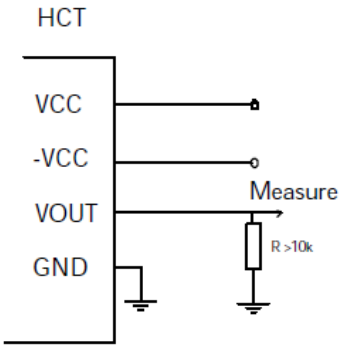
NOTES

1.- DIMENSIONS AND PINS CONFIGURATION



PINS	
1	VCC
2	-VCC
3	VOUT
4	GND

CONNECTION RECOMMENDED



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	600 A RMS	Ipn
Measuring Range	± 1000 A DC	Ip
Secondary Nominal Voltage	4 V ±1% RMS	Vs
Supply Voltage (± 5 %)	± 15 V	Vcc
Current Consumption	12 mA (Vcc = ± 15 V)	Icc

3.- ACCURACY

Accuracy at Ip T = 25 °C	< +1 %	a
Linear Error (2 to Ipn)	< 1 %	e_{LLR}
Offset Voltage	± 25mV Max	V_{OS}
Offset Voltage Drift	± 0.5 mV/°C	KV_{OS}
Time Response (10% to 90% of Ip) Related to di/dt Specificated	< 3us	T_R
Bandwidth	20 kHz	**BW**

- * 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)	2500 V AC 50Hz 1'	V_I

6.- EDITION CONTROL

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NOTES