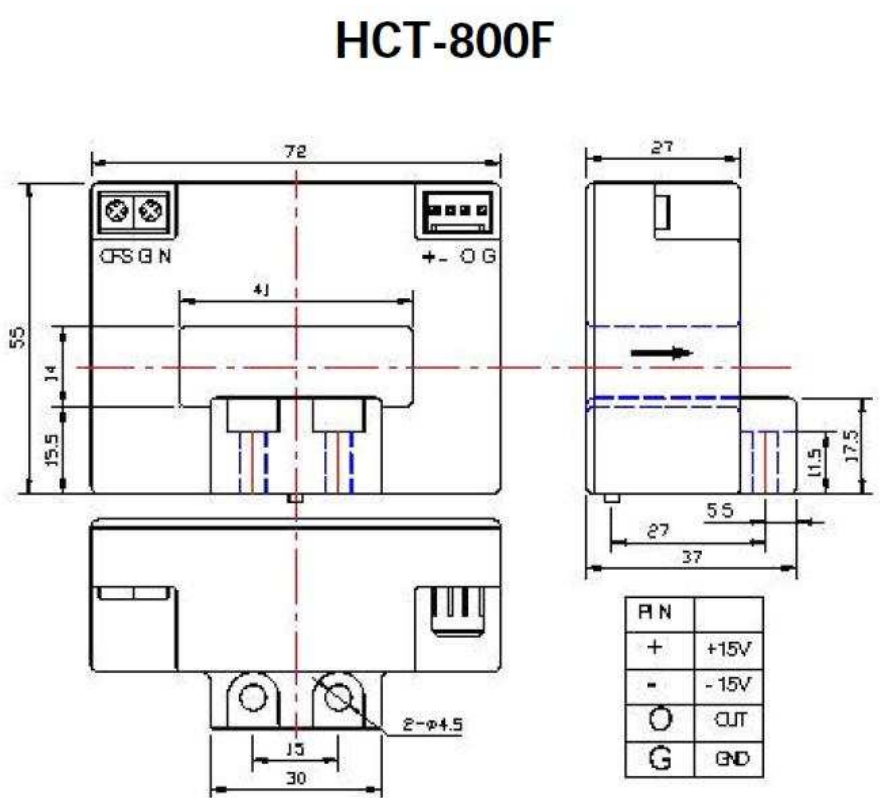
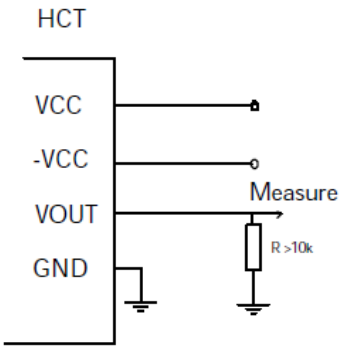
HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 800A/4V.
HCT-800F

NOTES

1.- DIMENSIONS AND PINS CONFIGURATION



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	800 A RMS	Ipn
Measuring Range	± 1600 A DC	Ip
Secondary Nominal Voltage	4 V ±1% RMS	Vs
Supply Voltage (± 5 %)	± 15 V ±5%	Vcc
Current Consumption	12 mA (Vcc = ± 15 V)	Icc

3.- ACCURACY

Accuracy at Ip T = 25 °C	< +1 %	a
Linear Error (Full Scale) Vcc = ±24V, Rb =3 Ohm	< 1 %	e_{LLR}
Offset Voltage	15mV Max	V_{OS}
Offset Voltage Drift	± 0.5 mV/°C	KV_{OS}
Magnetic Offset Voltage	±30 mV	**Mos**
Time Response (10% to 90% of Ip) Related to di/dt Specificated	< 5us	T_R

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

4.- OUTPUT CONNECTOR

Connection	MOLEX 5045-A04-A	

5.- GENERAL DATA

Operating Temperature	-40 to +85 °C	**T_A**
Storage Temperature	-55 to +125 °C	**T_S**
Weight	230 g	
Basic Insulation (Between Primary and Measurement Current)	5000 V AC 50Hz 1'	**V_I**

6.- EDITION CONTROL

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

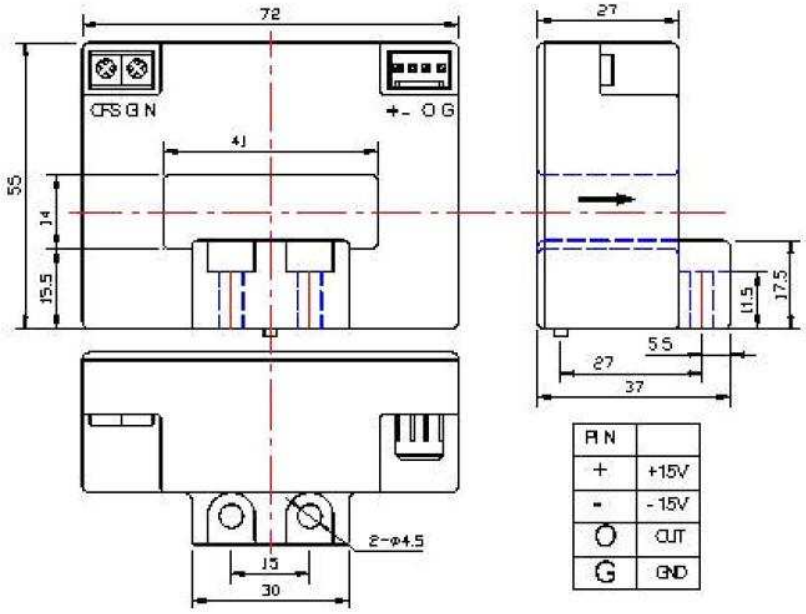
NOTES

HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 500A/4V.
HCT-500F

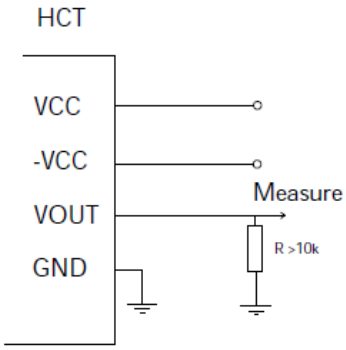
NOTES

1.- DIMENSIONS AND PINS CONFIGURATION

HCT-500F



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.

2.- ELECTRICAL PARAMETERS

Primary Nominal Current	500 A RMS	Ipn
Measuring Range	± 1200 A DC	Ip
Secondary Nominal Voltage	4 V ±1% RMS	Vs
Supply Voltage (± 5 %)	± 15 V ±5%	Vcc
Current Consumption	12 mA (Vcc = ± 15 V)	Icc

3.- ACCURACY

Accuracy at Ip T = 25 °C	< +1 %	a
Linear Error (Full Scale) Vcc = ±24V, Rb =3 Ohm	< 1 %	e_{LLR}
Offset Voltage	15mV Max	V_{OS}
Offset Voltage Drift	± 0.5 mV/°C	KV_{OS}
Magnetic Offset Voltage	±30 mV	**Mos**
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	MOLEX 5045-A04-A	

5.- GENERAL DATA

Operating Temperature	-40 to +85 °C	**T_A**
Storage Temperature	-55 to +125 °C	**T_S**
Weight	230 g	
Basic Insulation (Between Primary and Measurement Current)	5000 V AC 50Hz 1'	**V_I**

6.- EDITION CONTROL

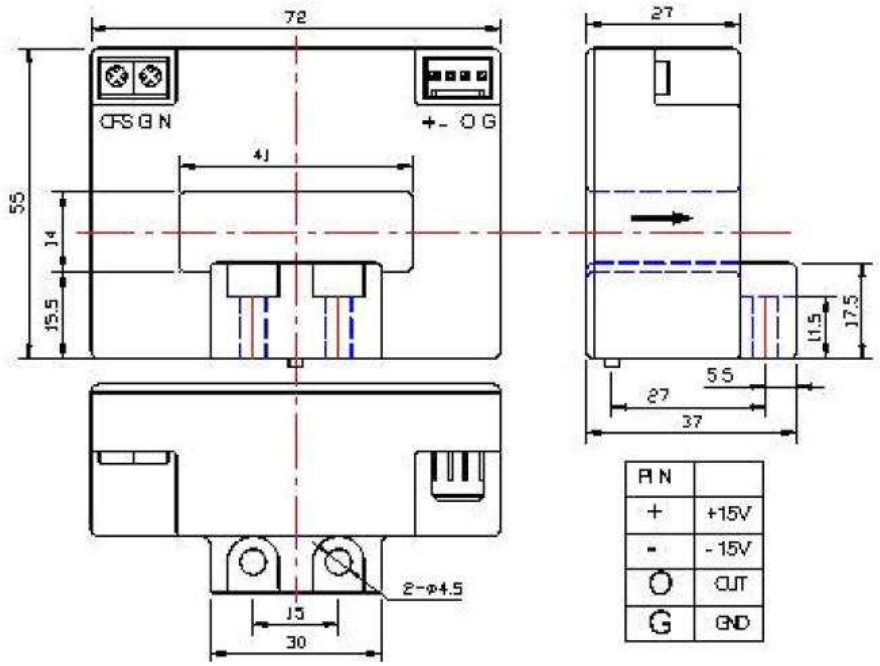
Edition	Date	Change description	Made by
1st	23/08/10	First Edition	Marta Escolar

NOTES

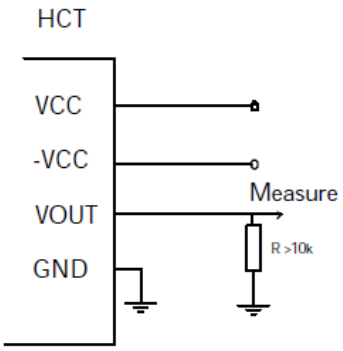
HALL EFFECT CURRENT TRANSDUCER OPEN LOOP HCT 1000A/4V.
HCT-1000F

NOTES

1.- DIMENSIONS AND PINS CONFIGURATION



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	1000 A RMS	Ipn
Measuring Range	± 2000 A DC	Ip
Secondary Nominal Voltage	4 V ±1% RMS	Vs
Supply Voltage (± 5 %)	± 15 V ±5%	Vcc
Current Consumption	12 mA (Vcc = ± 15 V)	Icc

3.- ACCURACY

Accuracy at Ip T = 25 °C	< +1 %	a
Linear Error (Full Scale) Vcc = ±24V, Rb =3 Ohm	< 1 %	e_{LLR}
Offset Voltage	15mV Max	V_{OS}
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Magnetic Offset Voltage	±30 mV	**Mos**
Time Response (10% to 90% of Ip) Related to di/dt Specificated	< 5us	T_R

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

4.- OUTPUT CONNECTOR

Connection	MOLEX 5045-A04-A	

5.- GENERAL DATA

Operating Temperature	-40 to +85 °C	**T_A**
Storage Temperature	-55 to +125 °C	**T_S**
Weight	230 g	
Basic Insulation (Between Primary and Measurement Current)	5000 V AC 50Hz 1'	**V_I**

6.- EDITION CONTROL

Edition	Date	Change description	Made by
1st	21/10/10	First Edition	Marta Escolar

NOTES