



HCT-30PX5

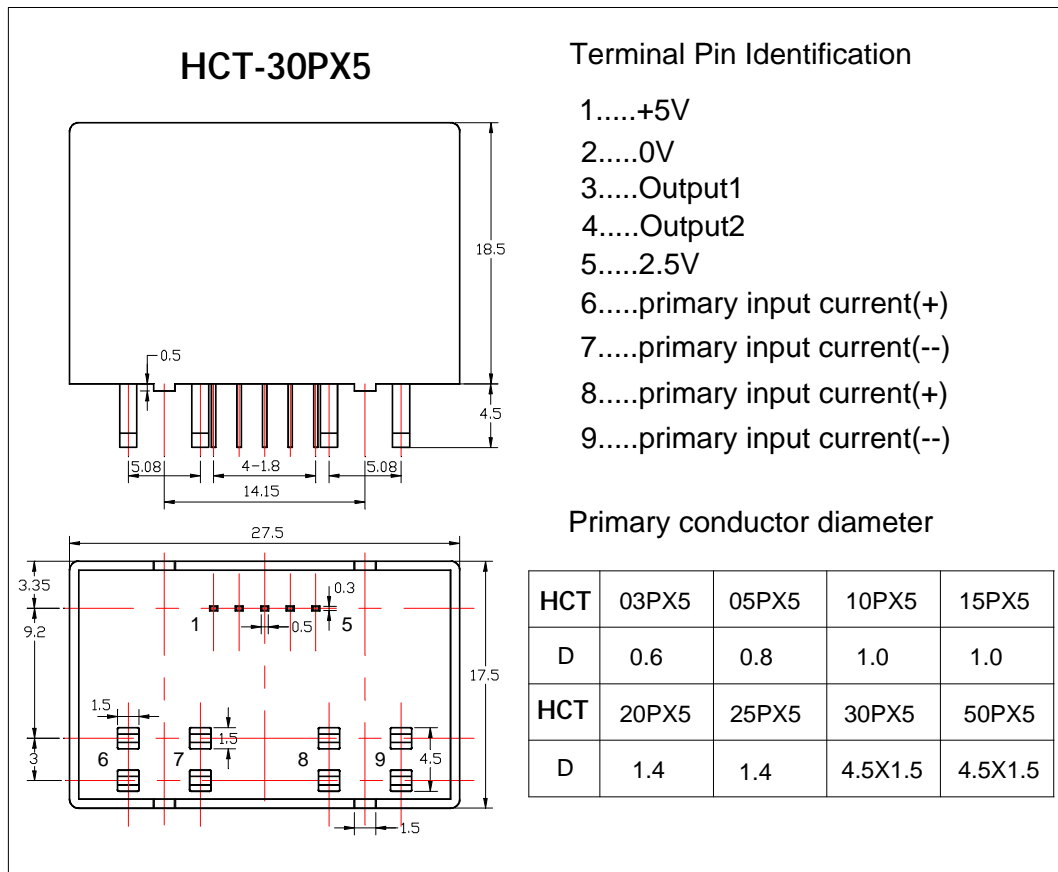
RoHS
2002/95/EC

Technical Specification

HALL EFFECT CURRENT TRANSDUCER CLOSED LOOP
30A 1:1500 (V. Output)
HCT-30PX5

Edition	Changed by	Date	Change description
1 st	V.Repecho	27/01/10	First edition

1. Dimensions



Notes.

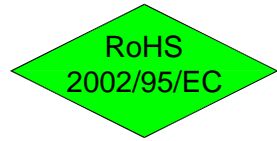
- General Tolerance ± 0.5 mm

- All dimensions and mechanical fixations are subjected to change depending on the customer necessities and PREMO Transducer Development.



HCT-30PX5

2. Electrical Parameters



Primary Nominal Current	30 A RMS	I _{pn}
Measuring Range	± 66 A DC	I _p
Secondary Nominal Voltage	+2.5±1.0 RMS	V _o
Conversion Ratio	1:1500	N
Supply Voltage (± 5 %)	+ 5 ±5%V	V _{cc}
Current Consumption	<40 mA	I _{cc}

3. Accuracy

Accuracy at I _p T = 25 °C	< ± 0.5 %	a
Linear Error (Full Scale) V _{cc} = +5V	< 0.1 %	e _{LLR}
Offset Voltage	<10mV Max	V _{os}
Offser Voltage Drift	± 0.02V/°C	KV _{os}
Time Response (10% to 90% of I _p) Related to di/dt Specificated	<0.5us	T _R
Frequency Bandwidth (I _p = 10 A AC)	DC to 200kHz (-3dB)	F _C

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



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4. Output Connector

Connection	PTH	
Internal Resistance (T = 25°C)	50 Ohm	R_c

5. General Data

Operating Temperature	-40 to +85 °C	T_A
Storage Temperature	-40 to +125 °C	T_S
Weight	22 g	
Basic Insulation (Between Primary and Measurement Current)	3000 V AC 50Hz 1'	V_i

6. Standards



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7. Packaging

- Single Packaging.

END OF DOCUMENT