CURRENT SENSORS
NEW PRODUCT NEWS

Open Loop Hall Effect Current Sensors

HC-PDL series

Rated Current | **6A ～ 50A** | Release scheduled for April 2015

- Downsizing and high precision realized with adoption of our own ASIC
- Two system output available (for both control and protection)
- 5V single power supply specification
- Superior noise-resistance
- Small temperature drift as a result of built-in temperature correction circuit

Applications Inverters, Servo drivers, Power supply equipment, Uninterruptible power supply (UPS), Welders, Photovoltaic generation

RoHS compliant

CE
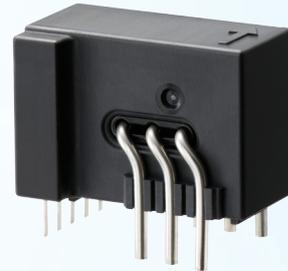
Open Loop Hall Effect Current Sensors

HC-PNA series

Rated Current | **50A ～ 800A** | Release scheduled for April 2015

- Wide range lineup from small capacity to intermediate capacity
- Lineup of 5V single power supply and dual power supply specifications as standard specifications
- Potting specification product excellent in environment resistance performance
- Ferrite core specifications can be manufactured over a wide range (up to 800A) as a countermeasure against heat generation by high frequency current

Applications NC machine tools, Servo drivers, Inverters

RoHS compliant

CE

Closed Loop Hall Effect Current Sensors

HS-PTA series

Rated Current | **50A ～ 100A** | Release scheduled for April 2015

- Excellent accuracy and high-speed response
- Compatible with a rated current range from 50A to 100A
- Three circuits can be measured at the same time
- Light weight (Conventional ratio*: Reduced by 30%), thin type (Conventional ratio*: Thinned by 15%)
- For both power supply specifications, both voltage output type and current output type are available

＊ Comparison with our conventional products of the HS-PTF series

**Applications** Inverters, Servo drivers, Power supply equipment, NC machine tools

RoHS compliant

CE

＊ Please note that performance and characteristics of the product may be subject to change without prior notice.

Contact us or our distributors
for our products.

Created in Fevruary 2015

◎ Dimensions (mm)

HC-PDL

Terminal
- 1 · · · Output2
- 2 · · · Vcc
- 3 · · · Output1
- 4 · · · Reference Voltage
- 5 · · · GND
- 6～8 · · · (+) Input
- 9～11 · · · (−) Input

Weight: 9g

General tolerance: ± 0.5

Current direction

4−2.54

16.2

4

2.2   10.2   2−3.1
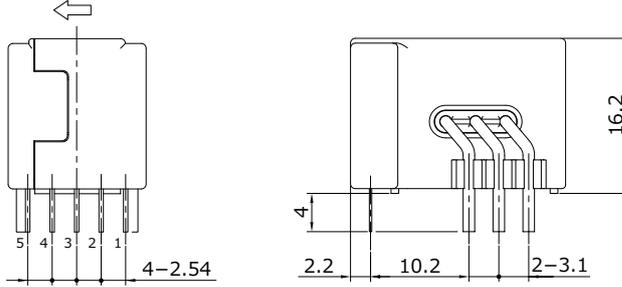
How to connect
current input terminal

Input current	How to connect board side	Turns
5A～18A	8 7 6 (+) / (−) 11 10 9	3T
18A～50A	8 7 6 (+) / (−) 11 10 9	1T

6−Φ1.2
Current input terminal

14.3   11.4   12.6

5−□(0.3×0.5)
Control terminal

22.3
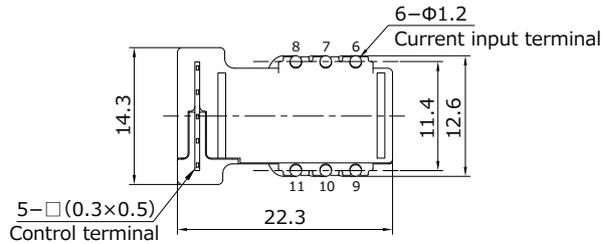
HC-PNA

Terminal
- 1 · · · Output
- 2 · · · GND
- 3 · · · Vcc

Weight: 35g

General tolerance: ± 0.5

Current direction

18

3 12
17.2

37.5
15
16.5

8   26.5   13.5

4   3.5

1 2 3
3−□0.25×0.5
Control terminal

5
12.8

12
3

14.5
29

2−Φ1
Fast pin
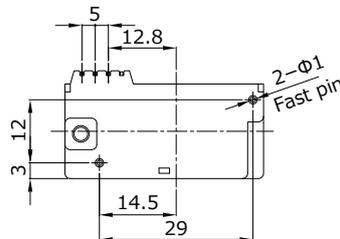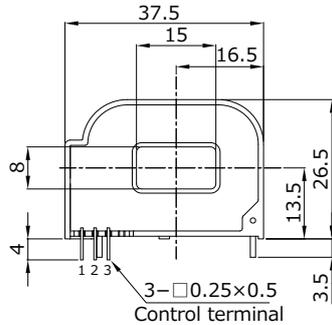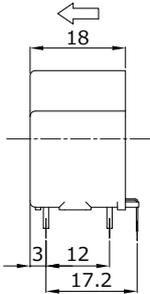
HS-PTA

Terminal
- 1 · · · Output3
- 2 · · · Output2
- 3 · · · Output1
- 4 · · · −Vc
- 5 · · · GND
- 6 · · · +Vc

Weight: 60g

General tolerance: ± 0.5

109

15.5   7.2

2−Φ4.5
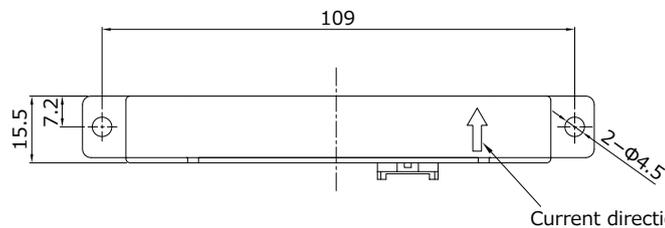
Supported connector housing
PAP-06V-S (JST)

Current direction indicator

64

3−Φ12

1   6

37   20

Input3   Input2   Input1

10   98   10

B06B-PASK(LF)(SN) (JST)

max.5