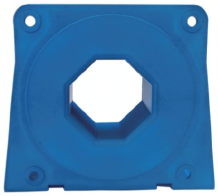


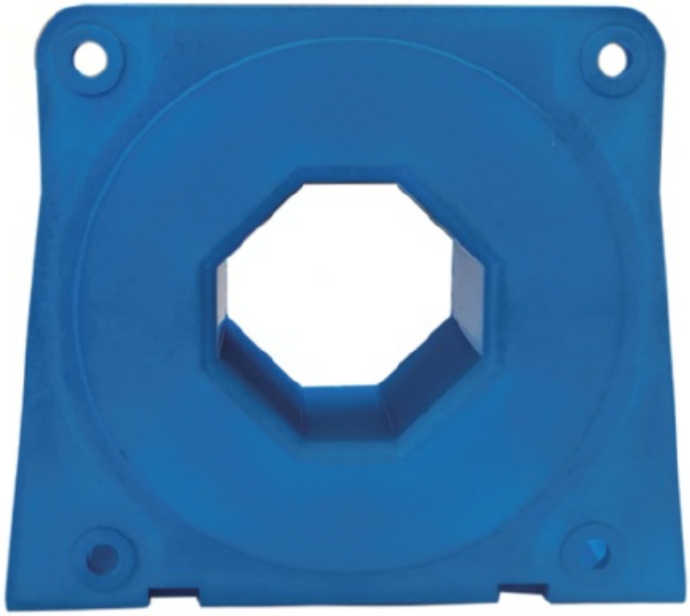
# YADC HA5041 Plug-in Output Terminal User Manual



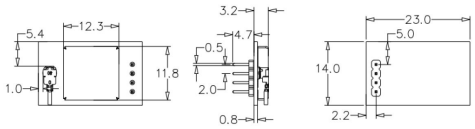
Contents



## YADC HA5041 Plug-in Output Terminal



## Product Information

| | |
|---|---|
| **Product Model** | HA5041 |
| **Product Characteristics** | Plug-in terminal output, plate installation, wrong wiring will cause product damage, measure the DC and AC pulse current, output in a linear relationship with the primary detection current, the output signal can directly enter the automatic control equipment or PLC port. |
| **Technical Index** | Electrical Parameters:<br>The following parameters are typical values. The actual values shall be subject to the actual measurement of the product.$I_{Pn}$: Rated input – A<br>$I_{PM}$: Input measurement range – A<br>$I_{OUT}$: Rated output – mA<br><br>Wiring diagram:<br>Terminal definition<br>1: V2.M<br>2: V-<br>3: V+<br><br>X Accuracy<br>L Linearity<br>V C Current consumption<br>R L Load impedance<br>I OE Zero offset<br>T R Response time<br>BW Band width<br>N.W Weight – g |
| **Product Picture** |  |
| **Website** | [www.poweruc.pl](http://www.poweruc.pl) |

## Product Usage Instructions

**To use the HA5041 product, please follow these instructions:**

1. Ensure proper installation of the product by plugging it into the appropriate terminal.
2. Make sure to correctly wire the product to avoid any damage to the device.
3. Measure the DC or AC pulse current using the product.
4. The output signal of the product is in a linear relationship with the primary detection current.
5. The output signal can be directly connected to automatic control equipment or PLC port.

**Note:**
The product picture printing is for reference only. The actual product may vary.

## Product characteristics

Plug-in terminal output, plate installation, wrong wiring will cause product damage,measure the DC and AC pulse current, output in a linear relationship with the primary detection current,the output signal can directly enter the automatic control equipment or PLC port.

## Technical index

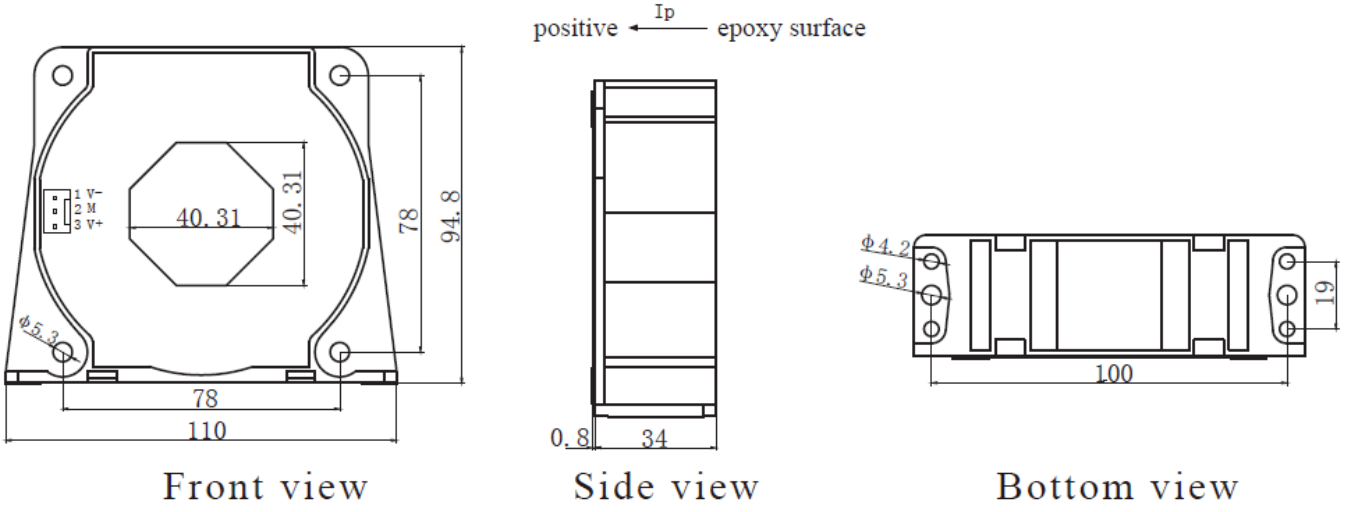
- **Flame resistance:** UL94-V0
- **Working temperature:** -10℃ +70℃
- **Storage temperature:** -25℃ +70℃
- **Dielectric strength:** 3.8KV 50Hz 1min

**Electrical parameters:**
The following parameters are typical values. The actual values shall be subject to the actual measurement of the product.

| | | |
|---|---|---|
| I Rated input<br>Pn | ±1000 | A |
| I Input measurement range<br>PM | ±1500(@Vc=±24V) | A |
| I Rate d output<br>OUT | ±200 | mA |
| X Accuracy | ±0.5 | % |
| ε Linearity<br>L | ±0.1 | % |
| V Supply voltage(±5%)<br>C | ±15~±24 | V |
| I Current consumption<br>C | ≤28 | mA+Is |
| R Load impedance<br>L | 5 | Ω |
| IOE Zero offset TA=25℃ | ≤±0.4 | mA |
| T Response time<br>R | ≤1 | μs |
| B W Ban d width | DC~100 | KHz |
| N.W Weight | – | g |

## Dimensions

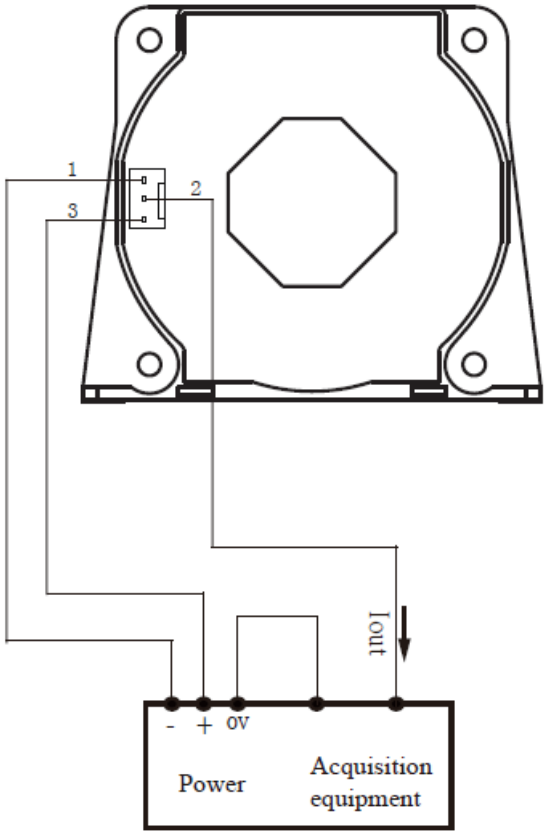
**Dimensions(in mm±0.5):**




**Wiring diagram**

**Terminal definition:**

1. V-
2. M
3. V+



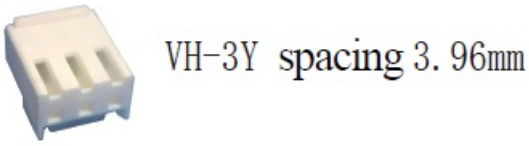

**Detection:**

1. Choose the auxiliary power supply with a small ripple (≤20mV)
2. Switch on the auxiliary power
3. The auxiliary power is connected to the sensor

4. The sensor detects the primary current

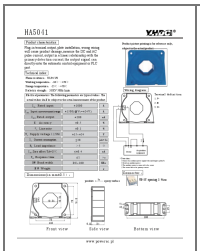
## Connector

- VH-3Y spacing 3.96mm




www.poweruc.pl.

## Documents / Resources

| | |
|---|---|
|  | YADC HA5041 Plug-in Output Terminal [pdf] User Manual<br>HA5041 Plug-in Output Terminal, HA5041, Plug-in Output Terminal, Output Terminal, Terminal |

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