



Features

- True RMS(AC/DC) current measurement device
- Clamp on split core structure
- Output of standard 4 to 20mA DC (2-wire)
- Accuracy $\pm 1\%$ of I_{PN} @25°C(excluding offset)
- Maximum load resistance 300Ω at Power Supply 24V
- 24 Vdc Loop Power 20...30Vdc
- Frequency bandwidth: 50~400Hz(Max.6kHz)
- Isolation Resistance @ 1000VDC: >1000 MΩ
- Operating Temperature: -20°C to 80°C
- Storage Temperature: -45°C to 85°C
- Max allowable current 120% continuous.

Part Numbers and Ratings

- DHS20P Series

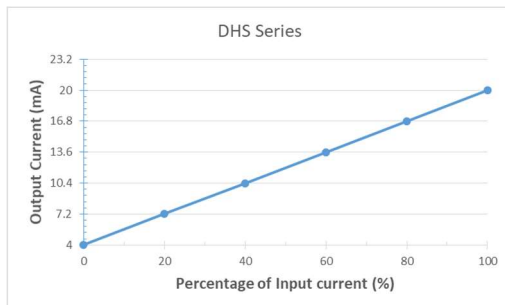
Symbol	Unit	50A	100A	200A	300A	400A	-
I_{PN}	A_{RMS}	50	100	200	300	400	-

- DHS40P Series

Symbol	Unit	100A	200A	300A	400A	500A	600A	800A	1000A
I_{PN}	A_{RMS}	100	200	300	400	500	600	800	1000

• I_{PN} : Nominal Input Current

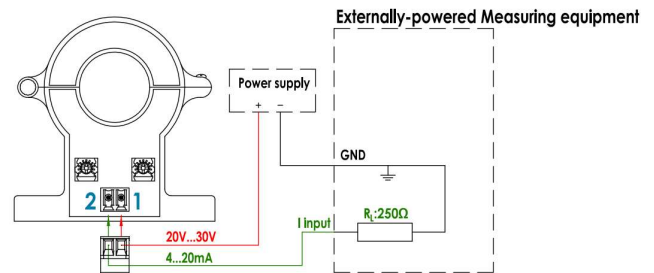
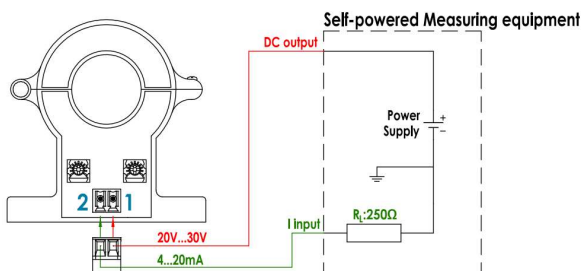
Output Current Chart



Connections / pin description

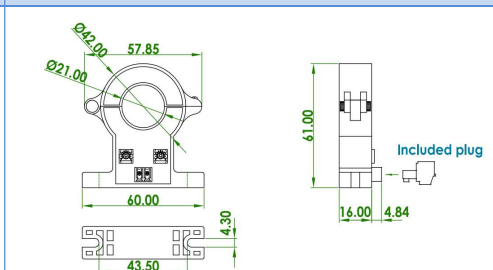
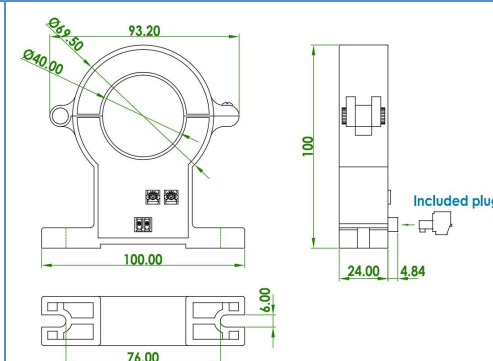
- Connector type: Pluggable Terminal Block(3.81mm pitch) – Included plug

PIN No.	1	2
Description	+24V DC input	I OUT



Dimensions

unit: mm

Series	Dimensions
DHS20P	
DHS40P	

Ordering Guide

DHS□□P□□A-CL420

symbol	unit	description
□□P	aperture size	20P=Ø20, 40P=Ø40
□□A	Ampere	※ See: Part Numbers and Ratings

Additional information

Manufacturer: DIWELL Electronics Co., Ltd. (South Korea)

Quotation request: sale01@diwell.com, sale02@diwell.com

Technical support: tech01@diwell.com, dsjeong@diwell.com

Revision history

Version	Date(Y,M,D)	Description
preliminary	2025. 2. 11.	Preliminary release
1.0.0.	2025. 5. 8.	Initial release
1.0.1	2025. 11. 5	Additional information update