

TR2214-LKH24

AC 30A/DC 20mA



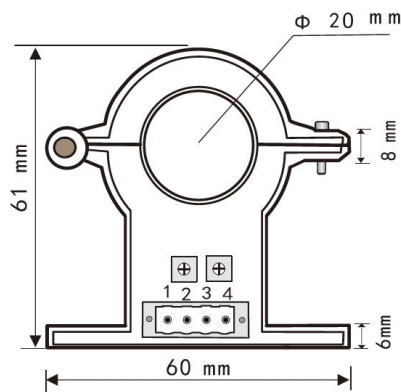
Products Features

- AC/DC/pulse current measurement
- Excellent EMI immunity & high CMRR
- Low drift, fast response , wide bandwidth
- Non-invasive through-hole design
- Split-core structure for easy installation

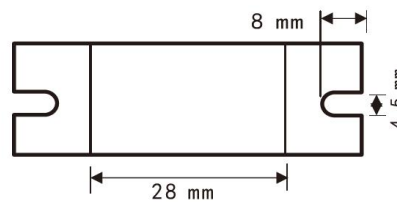
Applications

- AC variable frequency drive systems
- Servo motor traction control
- Uninterruptible power supplies (UPS)
- Welding equipment & battery power systems

Mechanical Dimension(mm)



Front View

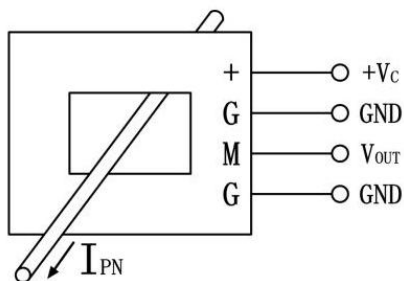


Top View



Side View

Circuit Connection Diagram



Symbol	Description
I_{PN}	Primary-side Signal Input
+	Positive Power Supply
G	GND
M	Secondary-side Signal Output
G	GND



Technical Data

@T_A=25°C, unless otherwise stated

Type		TR2214-LKH24
I_{PN}	Primary Rated Input Current	AC 30A
I_P	Primary Current Measure Range	AC 0~36A
I_{SN}	Secondary Rated Output Current	DC 4~20mA
U_C	The Power Supply Voltage	DC +24V
R_L	Load Capacity	$R_L \leq 300\Omega$
ε_L	Linearity	2%
X	Accuracy	±1%
	Overload Capacity	2 times
I_C	Current Consumption	≤25mA+ I_S
U_d	Power Frequency Withstand Voltage	3kV AC/1min
t_r	Response Time	<250ms
V_0	Offset Voltage	≤ 20mV
	Temperature Drift	≤200ppm/°C
T_A	Ambient Operating Temperature	-20°C~+80°C
T_S	Ambient Storage Temperature	-25°C~+85°C

I_S : output current

Contact Information

HUBEI TIANRUI ELECTRONIC CO.,LTD.

Add: No.8 Chuangye Road, Economic Development Zone, Tianmen 431700, Hubei, China

Website: www.hbtrec.com

E-mail: export@hbtianrui.com