



## Hall Current Sensor

Hall current sensors play a crucial role in power management by precisely measuring and monitoring current flow. They ensure stable power output, optimize energy efficiency, and prevent overloading. In battery management, they safeguard against overcharge and over-discharge.



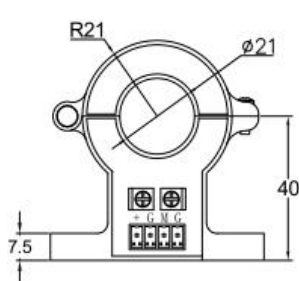
TR0214-LKH

### Technical data

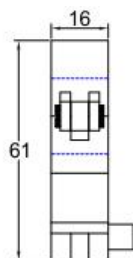
Electrical Parameters	Rated Input	100A AC	Measuring Range	110A AC
	Rated Output Current	4 ~ 20mA DC	Supply Voltage	+12V or +24V ( $\pm 5\%$ )
	Current Consumption	$\leq 35\text{mA}$	Linearity	$\leq \pm 0.5\% \text{FS @ } 25^\circ\text{C}$
	Accuracy	$\leq \pm 1\% \text{FS @ } 25^\circ\text{C}$	Magnetic Offset Voltage ( $I_{PN}=0$ )	$\leq \pm 0.1\text{mA}$
	Zero Offset Current	$\leq 4 \pm 0.1\text{mA @ } 25^\circ\text{C}$	Response Time	$\leq 200\text{ms}$
	Measuring Resistance	$\leq 400\Omega$	Power Frequency Withstand Voltage	3kV AC/1min
	Temperature Drift (Tamin-Tamax)	$\leq \pm 0.05\text{mA}/^\circ\text{C}$	/	/
Operating Environment	Ambient Operating Temperature	$-20 \sim +85^\circ\text{C}$	Ambient Storage Temperature	$-25 \sim +90^\circ\text{C}$

### Overall dimensions

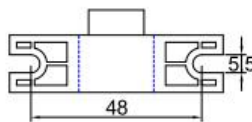
Dimension unit: mm



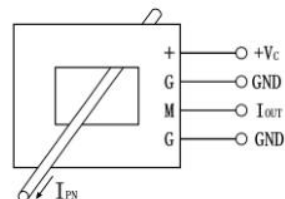
Front View



Side View



Bottom View



Terminal Structure