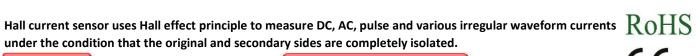


ZMKD21-61DAM Series Hall Current Sensor



Performance parameter



Feature

- Hall effect measurement principle
- Meet UL94-V0 standard

Advantage

- Easy to install
- •Low power consumption
- Wide measuring range
- High precision and good linearity
- ●Low temperature drift
- Strong anti-interference ability
- Strong overload capability

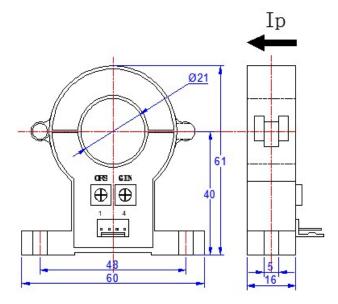
Application

- AC frequency conversion speed control device
- DC motor driven static converter
- ●UPS uninterruptible power supply
- ●SMPS switching power supply
- Electric welder machine
- Grid monitoring
- Industrial grade

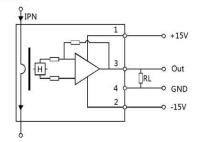
Performance parameter								
Electrical parameters								
Rated current rms	lpn	50A	100A	200A	300A	400A	600A	
Measuring range	lpm	150A	300A	600A	900A	900A	900A	
Rated output @Ip	Vo	4V						
Load Resistance	RL	>10ΚΩ						
Supply Voltage	Uc	±12V~±15V						
Current consumption	lc	≤15mA						
Insulation voltage	Vd	2.5kVAC/50Hz/1min						
Dynamic parameter								
Precision (@Ipn,Ta=25°C)	XG	<±1.0%						
Linearity (@Ta=25°C)	Er	<±1.0%FS						
Zero offset voltage (@Ta=25°C,Ip=0)	Voe	<±25mV						
Magnetic offset voltage(Ipn->0)	Voн	<±25mV						
Zero temperature drift	TCVoe	<±1.0mV/°C						
Response time	Tr	<5us						
Accurately followed	di/dt	>100A/us						
Frequency bandwidth (@-3dB)	BW	DC∼20kHz						
General parameters								
Ambient operating temperature	Та	-40∼+85°C						
Ambient storage temperature	Ts	-55∼+125°C						
Weight	m	70g						
Case material		PBT G30/G15 UL94-V0						
Executive standard		EN50178:1998						
			IEC60950-1:2001					
		SJ20790-2000						

structure

Unit: mm



Instructions



- 1. The direction of the current should be the same as the direction of the arrow of the casing;
- $2\sqrt{100}$ Please refer to the wiring definition on the physical shell, the wrong wiring willDamaged module;
- 3. In order to obtain better dynamic characteristics and sensitivity, it is recommended to use a single turn wire and the wire fills the module through the wire hole best;
- 4. The primary side wire temperature should not exceed 100 °C;
- 5. The above parameters are standard specifications, and the products can be customized according to customer needs.