



DATA SHEET

Hall Effect Current Sensor

PN: CHK_KA15D4-T

IPN=200A-3000A

Feature

- Open- loop current transducer using the hall effect
- Capable measurement of currents: DC, AC,pulse with galvanic isolation between primary circuit and secondary circuit.
- Supply voltage: DC \pm 15VDC(\pm 5%)

Advantages

- Easy installation
- No insertion losses
- Integrated design
- Wide application range

Applications

- AC variable speed drives
- Communication power supply
- Machine tool equipment
- Large welding machine
- other



RoHS

Electrical data: (Ta=25°C, Vc=±15VDC,RL=10KΩ)

	CHK200K A15D4-T	CHK500K A15D4-T	CHK1000K A15D4-T	CHK2000K A15D4-T	CHK2500K A15D4-T	CHK3000K A15D4-T
Rated input Ipn(A)	±200A	±500A	±1000A	±2000A	±2500A	±3000A
Measuring range Ip(A)	±240A	±600A	±1200A	±2400A	±3000A	±3600A
Rated output current (Is)	±50mA					
Supply voltage VC(V)	±15VDC(\pm 5%)					
Current consumption(Ic)	≤±30mA+1s					
Galvanic isolation(VD)	50Hz,1min,5kV					
Offset current(Io)	±0.2mA					
Output voltage(TR)	<10 μ s					
Offset current drift(Ior)	≤6uA/°C					
Accuracy (x)	1%					
Linearity error er(%FS)	1%					
di/dt (A/μs)	>100					
Bandwidth-3db(BW)	DC-25KHZ					

General data:



Cheemi Technology Co., Ltd

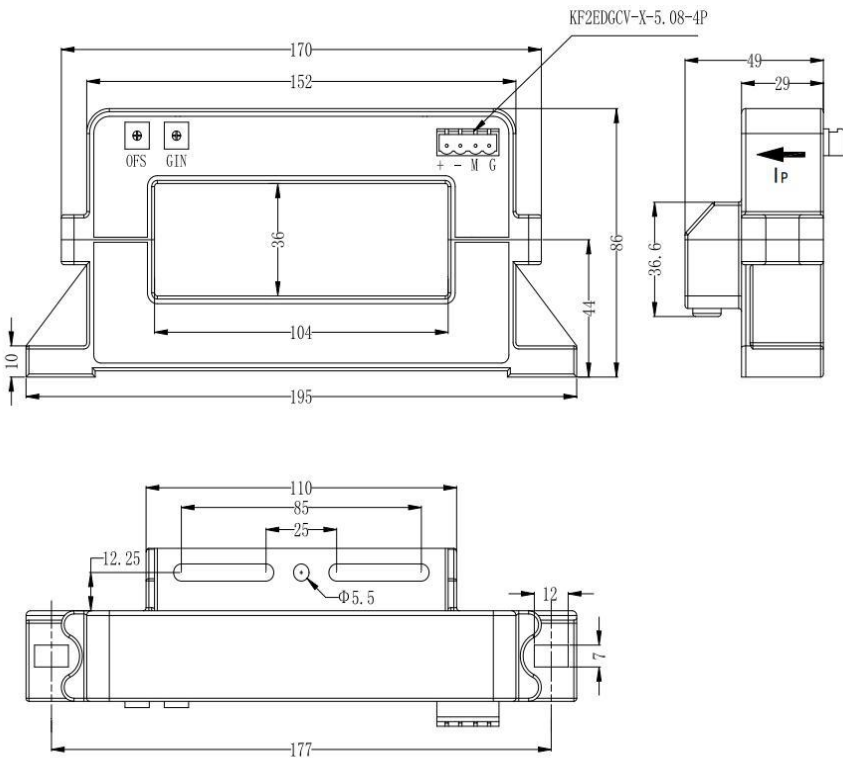
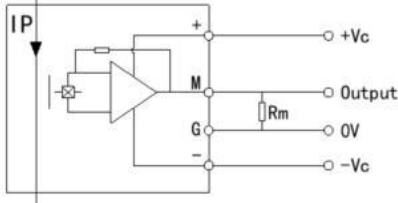
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Parameter	Value
Operating temperature TA(°C)	-40 ~ +85
Storage temperature TS(°C)	-55~ +125
Mass M(g)	≈370g
Plastic material	PBT G30/G15, UL94- V0;
Standards	IEC60950-1:2001
	EN50178:1998
	SJ20790-2000

Dimensions(mm):	
	<p>Connection</p> 
	<p>General tolerance</p> <p>General tolerance: ±1mm Connection of Secondary :KF2EDGCV-X5.08-4P Other tolerance execution: GB/T 1804-2000-M Fixing hole size: Φ7mm Fastening steel screw: M6 Recommended fastening torque: 1.5 Nm (± 10 %) Connection of secondary: KF2EDGCV-X5.08-4P</p>

Remarks:
<ul style="list-style-type: none"> ➤ When the current goes through the primary pin of a sensor, the voltage will be measured at the output end. ➤ Custom design is available for the different rated input current and the output voltage. ➤ The dynamic performance is the best when the primary hole if fully filled with. ➤ The primary conductor should be <100°C.
<p>WARNING : Incorrect wiring may cause damage to the sensor.</p>

