



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 ± 15 VDC ($\pm 5\%$)

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



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(IoT)			≤6uA/°C			
Accuracy (x)			1%			
Linearity error εr(%FS)			1%			
di/dt (A/μs)			> 100			
Bandwidth-3db(BW)			DC-25KHZ			

General data:

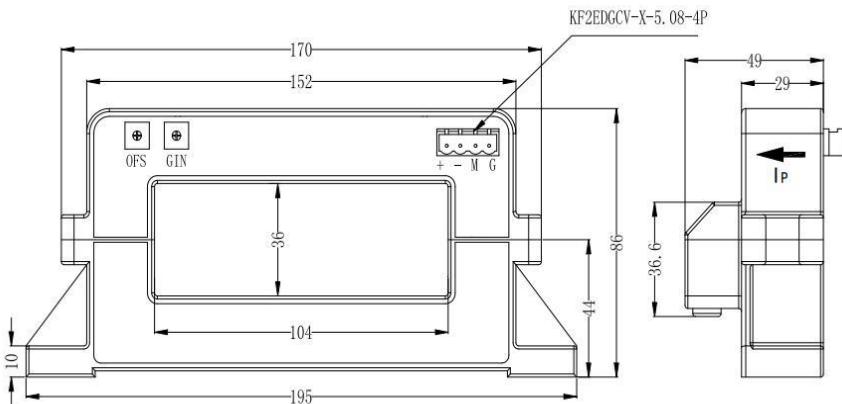
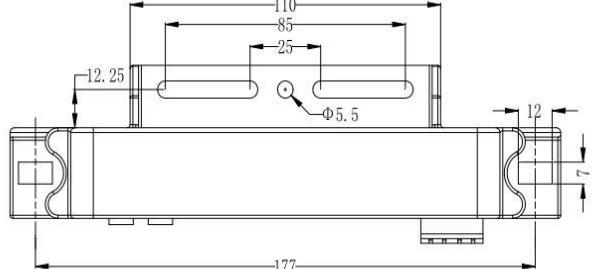


Cheemi Technology Co., Ltd

Tel: 025-85996365 E-mail: info@cheemi-tech.com www.cheemi-tech.com
Add:N22, Xianlongwan, Xianyin South Road, Qixia District, Nanjing - China.

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;
	IEC60950-1:2001
Standards	EN50178:1998
	SJ20790-2000

Dimensions(mm):

Connection


General tolerance
<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:

- 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 is fully filled with.
- The primary conductor should be <100°C.

WARNING : Incorrect wiring may cause damage to the sensor.

