

# *i*powerC General Purpose Type Hall-Current Sensor

**Low cost, Calibration free**

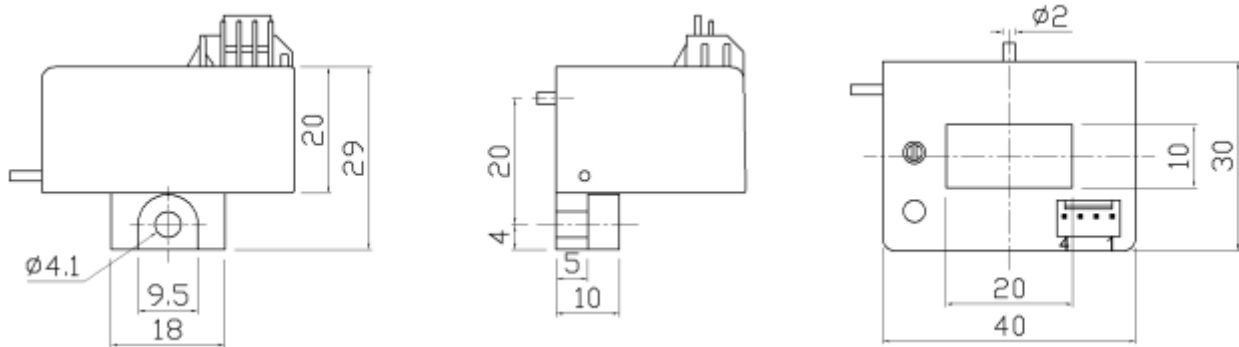
**General Purpose type**

**Connector type (2510-4A, 4pin, pin gap 2.5mm)**

**1、 Specifications (Ta = 25°C, Vcc = ± 15V)**

Type		H03KD0050A	H03KD0100A	H03KD0200A	H03KD0300A	H03KD0400A
Parameters	Symbol					
Rated Current	If	50A	100A	200A	300A	400A
Linear Range	~	0~±100A	0~±200A	0~±400A	0~±600A	0~±800A
Output Voltage	Vof	4V±1% (Rated Current, RL=10KΩ)				
Noise Level	~	<1dB				
Offset Voltage	Vo	<±0.03V				
Output Linearity	~	<±1%				
Supply Voltage	Vcc	±15VDC				
Response Time	Tr	<2us				
Output Temperature drift	~	<±0.1 % /°C				
Offset Temperature Characteristic	~	<±1.0mv/°C				
Insulation Withstanding	~	AC 2500V for 1 minute				
<b>High dv/dt Immunity</b>	<b>dv/dt</b>	<b>≥80kV/μs</b>				
Insulation Resistance	~	500MΩ or more				
Operating Temperature	Top	-10°C ~ +70°C				
Storage Temperature	Tstg	-15°C ~ +90°C				
<b>Reliability</b>	~	<b>MTBF is 400,000 hours. High temperature burn-in test, 100%, 70°C.</b>				

## 2. DIMENSIONS(mm) and CONNECTOR FUNCTION



Connector Number	Connector Function
1	V+ (+15V)
2	V- (-15V)
3	OUTPUT
4	GND