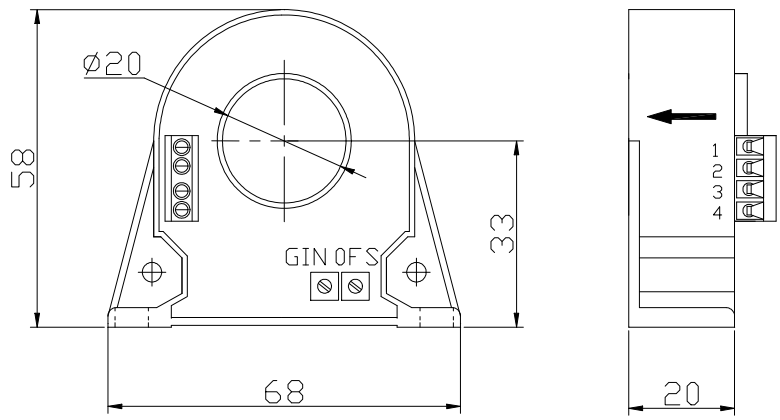
SENSOR Module CHF-*F

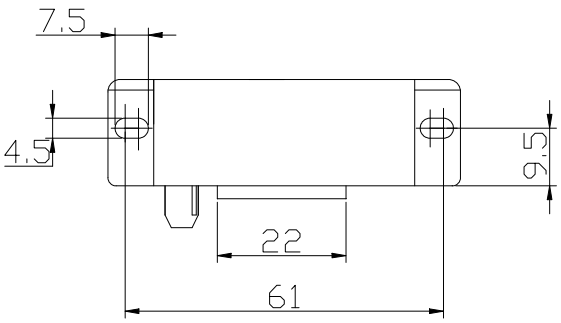
I_N = 50…600A

Specifications: Open loop Hall current sensor, Nominal current 50…600A RMS for measuring of currents: AC, DC, pulsed…

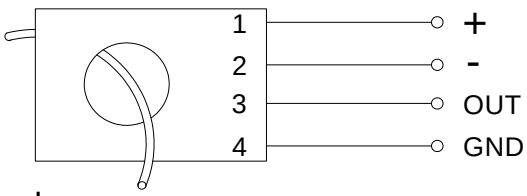
	Type	CHF-50F	CHF-100F	CHF-200F	CHF-300F	CHF-400F	CHF-500F	CHF-600F
I_N	Nominal current (RMS)	50A	100A	200A	300A	400A	500A	600A
I_P	Measuring range	0…±75A	0…±150A	0…±300A	0…±450A	0…±600A	0…±750A	0…±900A
V_M	Output voltage	Nominal output voltage ±4V, for primary nominal current I_N						
X	Accuracy (Ta =+25℃)	I_N±1.0%						
Vc	Supply voltage	±12…15V (±5%)						
Ic	Current consumption	25mA						
Vi	Isolation voltage	Between primary and secondary circuit: 3KV RMS/50Hz/1min.						
Voff	Offset voltage	±30mV max, for primary current I_N=0 (Ta =+25℃)						
Td	Temperature drift	±1mV/℃ Max (-10℃…+70℃)						
L	Linearity	≤1%						
Tr	Response time	≤10μS						
	di/dt	……						
f	Frequency bandwidth	0…20KHz						
RL	Load resistance	>10KΩ						
Ta	Operating temperature	-10℃…+70℃						
Ts	Storage temperature	-15℃…+90℃						
Rs	Secondary resistance	……						
	Primary resistance	……						
W	Weight	105g						

Dimensions (mm):





Connection:

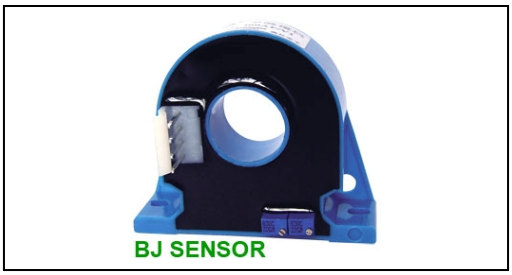


I_N primary current

Secondary terminals:
Terminal 1: supply voltage +12V…15V
Terminal 2: supply voltage -12V…15V
Terminal 3: output
Terminal 4: ground (GND)

Notes:
Output V_M is positive, when the primary current flows in the direction of the arrow

OFS: offset adjust
GIN: gain adjust



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