



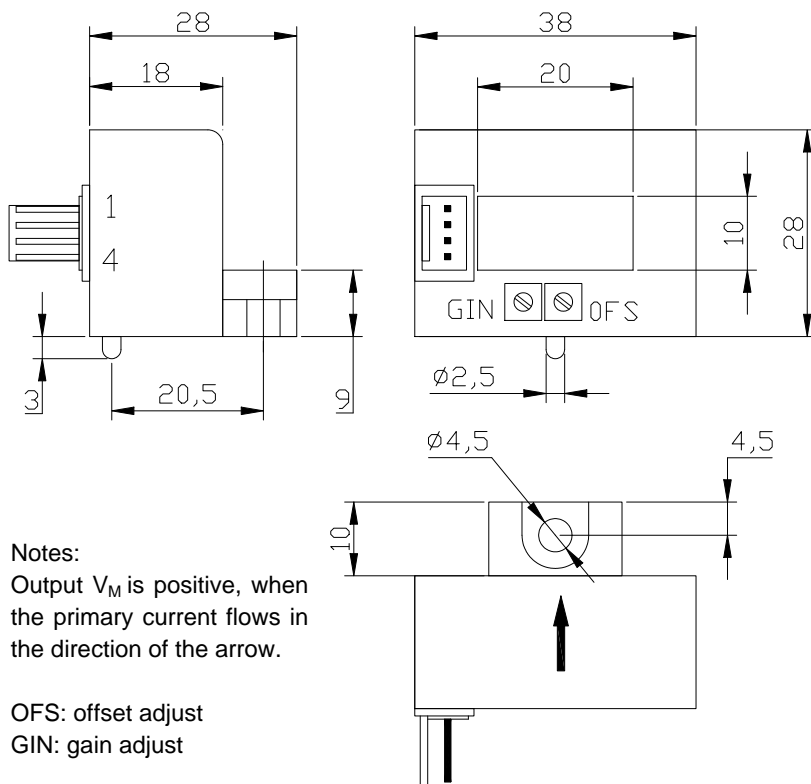
SENSOR Module CHF-*B

$I_N = 50...600A$

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

Type	CHF-50B	CHF-100B	CHF-200B	CHF-300B	CHF-400B	CHF-600B
I_N	Nominal current (RMS)	50A	100A	200A	300A	600A
I_P	Measuring range	0...±75A	0...±150A	0...±300A	0...±450A	0...±900A
V_M	Output voltage	Nominal output voltage ±4V, for primary nominal current I_N				
X	Accuracy ($T_a = +25^\circ C$)	$I_N \pm 1.0\%$				
V_c	Supply voltage	±12...15V (±5%)				
I_c	Current consumption	25mA				
V_i	Isolation voltage	Between primary and secondary circuit: 2.5KV RMS/50Hz/1min.				
V_{off}	Offset voltage ($T_a = +25^\circ C$)	±30mV max, for primary current $I_N=0$				
T_d	Temperature drift	±1mV/°C Max (-10°C...+70°C)				
L	Linearity	≤1%				
T_r	Response time	≤10μS				
	di/dt				
f	Frequency bandwidth	0...20KHz				
R_L	Load resistance	>10KΩ				
T_a	Operating temperature	-10°C...+70°C				
T_s	Storage temperature	-15°C...+90°C				
R_s	Secondary resistance				
	Primary resistance				
W	Weight	40g				

Dimensions (mm):

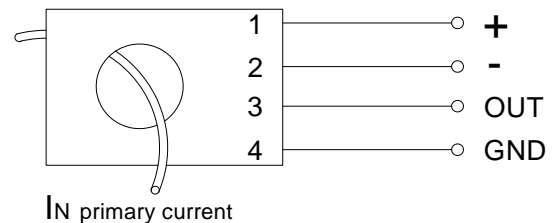


Notes:

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

OFS: offset adjust
GIN: gain adjust

Connection:



Secondary terminals:

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

