



SENSOR Module CHB-125P

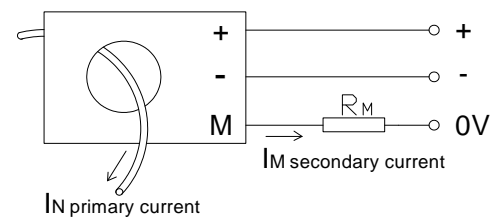
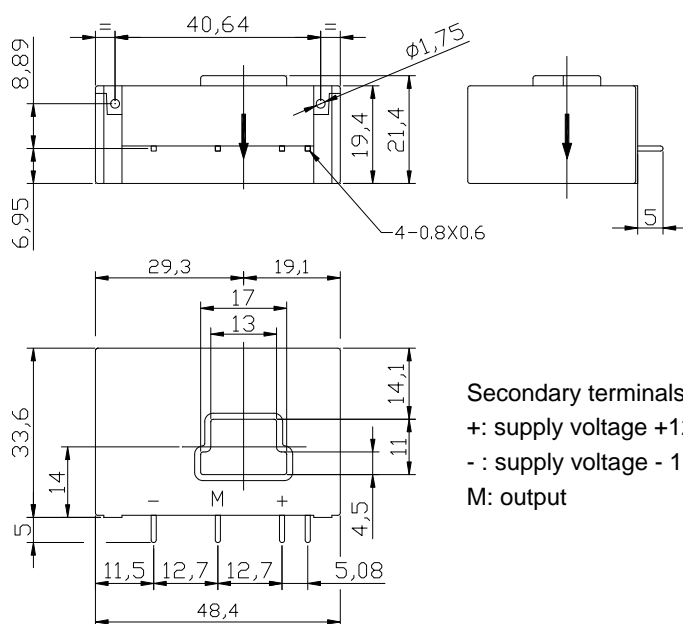
$I_N = 125A$

Specifications: Closed loop Hall current sensor, Nominal current 125A RMS for measuring of currents: AC, DC, pulsed...

Type	CHB-125P		
I_N	Nominal current (RMS) 125A		
I_P	Measuring range (I_{P-P}) 0...±200A		
R_M	Measuring resistance	R_M min	R_M max
	($V_c = \pm 12V$)	14Ω	50Ω (at 125A); 20Ω (at 200A)
	($V_c = \pm 15V$)	40Ω	70Ω (at 125A); 40Ω (at 200A)
I_M	Output current		
K_N	Turns ratio		
X	Accuracy ($T_a = +25^\circ C$)		
V_c	Supply voltage		
V_i	Isolation voltage		
I_{off}	Offset current ($T_a = +25^\circ C$)		
T_d	Temperature drift		
L	Linearity		
T_r	Response time		
	di/dt		
f	Frequency bandwidth		
T_a	Operating temperature		
T_s	Storage temperature		
I_c	Current consumption		
R_s	Secondary resistance		
R_N	Primary resistance		
W	Weight		

Dimensions (mm):

Connection:



Secondary terminals:
 +: supply voltage +12...15V
 -: supply voltage -12...15V
 M: output



1. Output I_M is positive, when the primary current flows in the direction of the arrow.
2. Mounting: PCB

SENSOR Module is a Hall current sensor for the electronic measurement of current with a galvanic isolation between the primary and secondary circuits.
 By WeChat for more information →





SENSOR Module CHB-150P

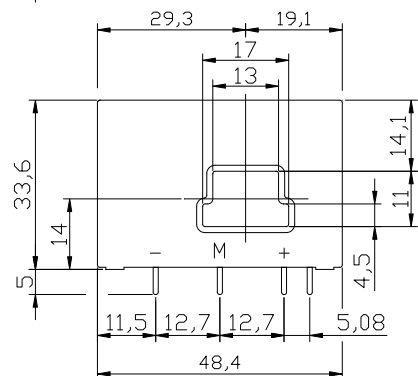
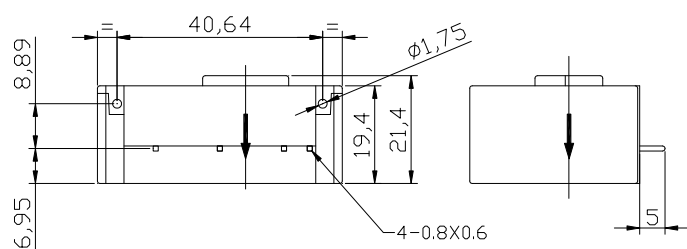
$I_N = 150A$

Specifications: Closed loop Hall current sensor, Nominal current 150A RMS for measuring of currents: AC, DC, pulsed...

	Type	CHB-150P	
I_N	Nominal current (RMS)	150A	
I_P	Measuring range (I_{P-P})	0...±200A	
R_M	Measuring resistance	R_M min	R_M max
		($V_c = \pm 12V$)	0Ω / 30Ω
		($V_c = \pm 15V$)	0Ω / 60Ω
I_M	Output current	Nominal output current 75mA, for primary nominal current $I_N = 150A$	
K_N	Turns ratio	1:2000	
X	Accuracy ($T_a = +25^\circ C$)	$I_N \pm 0.4\%$	
V_c	Supply voltage	$\pm 12...15V (\pm 5\%)$	
V_i	Isolation voltage	Between primary and secondary circuit: 3KV RMS/50Hz/1min.	
I_{off}	Offset current ($T_a = +25^\circ C$)	$\pm 0.2mA$ max, for primary current $I_N = 0$	
T_d	Temperature drift	I_M of 0.02%/°C (-25°C...+85°C)	
L	Linearity	< 0.15%	
T_r	Response time	< 1μS	
		di/dt > 100A/μS	
f	Frequency bandwidth	DC...150KHz	
T_a	Operating temperature	-25°C...+85°C	
T_s	Storage temperature	-40°C...+90°C	
I_c	Current consumption	16mA+ I_M (Output current)	
R_s	Secondary resistance	80Ω ($T_a = +70^\circ C$)	
R_N	Primary resistance	-----	
W	Weight	45g	

Dimensions (mm):

Connection:

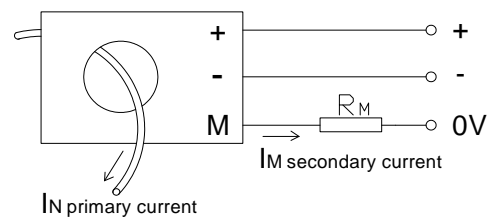


Secondary terminals:

+ : supply voltage +12...15V

- : supply voltage - 12...15V

M: output



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

2. Mounting: PCB

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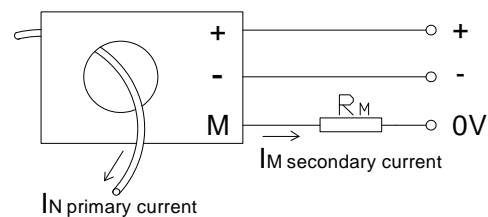
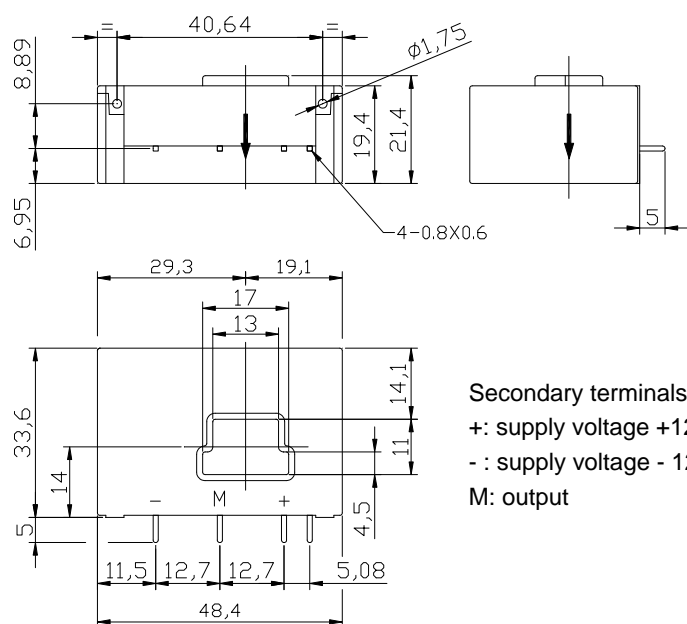


Specifications: Closed loop Hall current sensor, Nominal current 200A RMS for measuring of currents: AC, DC, pulsed...

	Type	CHB-200P	
I_N	Nominal current (RMS)	200A	
I_P	Measuring range (I_{P-P})	0...±300A	
R_M	Measuring resistance	R_M min	R_M max
		($V_c = \pm 12V$)	0Ω / 30Ω
		($V_c = \pm 15V$)	0Ω / 60Ω
I_M	Output current	Nominal output current 100mA, for primary nominal current $I_N = 200A$	
K_N	Turns ratio	1:2000	
X	Accuracy ($T_a = +25^\circ C$)	$I_N \pm 0.4\%$	
V_c	Supply voltage	$\pm 12 \dots 15V (\pm 5\%)$	
V_i	Isolation voltage	Between primary and secondary circuit: 3KV RMS/50Hz/1min.	
I_{off}	Offset current ($T_a = +25^\circ C$)	$\pm 0.3mA$ max, for primary current $I_N = 0$	
T_d	Temperature drift	I_M of 0.02%/°C (-25°C...+85°C)	
L	Linearity	< 0.15%	
T_r	Response time	< 1μS	
		di/dt > 200A/μS	
f	Frequency bandwidth	DC...100KHz	
T_a	Operating temperature	-25°C...+85°C	
T_s	Storage temperature	-40°C...+90°C	
I_c	Current consumption	16mA+ I_M (Output current)	
R_s	Secondary resistance	80Ω ($T_a = +70^\circ C$)	
R_N	Primary resistance	-----	
W	Weight	45g	

Dimensions (mm):

Connection:



Secondary terminals:
 +: supply voltage +12...15V
 -: supply voltage - 12...15V
 M: output



1. Output I_M is positive, when the primary current flows in the direction of the arrow.
2. Mounting: PCB

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