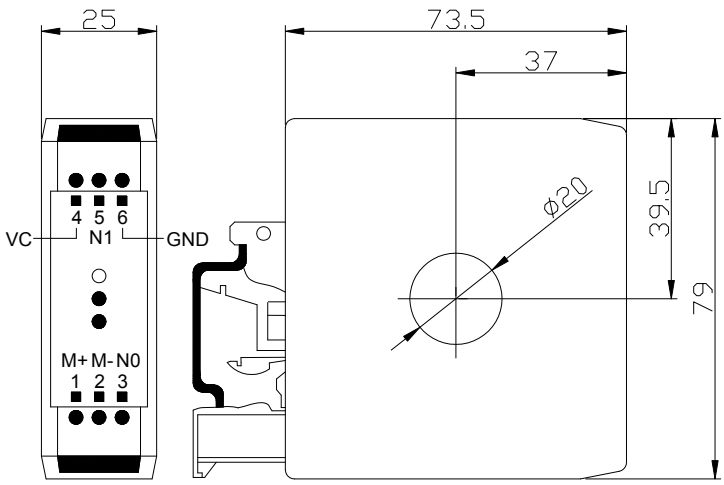
SHAANXI SHINHOM ENTERPRISE CO.,LTD

HALL-EFFECT CURRENT SENSOR

Specifications: DC current transducer, Nominal current 100…300A DC for measuring of DC current, output: 0…20mA DC

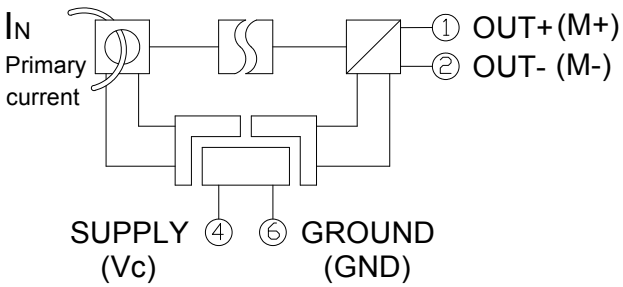
	Type	HBC-100ADS/A0	HBC-200ADS/A0	HBC-300ADS/A0
I_N	Nominal current (DC)	100A	200A	300A
I_P	Measuring range (DC)	0…120A	0…240A	0…360A
R_M	Measuring resistance	<300Ω		
I_M	Output current (DC)	Nominal output current 0…20mA, for primary nominal current 0…I_N		
X	Accuracy	I_N±1.0% (Ta =+25℃)		
K_N	Turns ratio	……		
Vc	Supply voltage	+24V (±5%)		
Ic	Current consumption	60mA+I_M (Output current)		
Vi	Isolation voltage	Between primary and secondary circuit: 2.5KV RMS/50Hz/1min.		
Ioff	Offset current	±0.2mA max, for primary current I_N=0 (Ta =+25℃)		
Td	Temperature drift	I_M of 0.05%/℃ (Ta = -25…+85℃)		
L	Linearity	< 0.2%		
Tr	Response time	<0.35S		
	di/dt	……		
f	Frequency bandwidth	DC		
Ta	Operating temperature	-25℃…+85℃		
Ts	Storage temperature	-40℃…+90℃		
Rs	Secondary resistance	……		
R_N	Primary resistance	……		
W	Weight	85g		

Dimensions (mm):



DIN rail fastening

Connection:



Secondary terminals:
Terminal 1: output + (M+)
Terminal 2: output – (M-)
Terminal 3: non connection (N0)

Supply terminals:
Terminal 4: supply voltage +24V (Vc)
Terminal 5: non connection (N1)
Terminal 6: ground (GND)

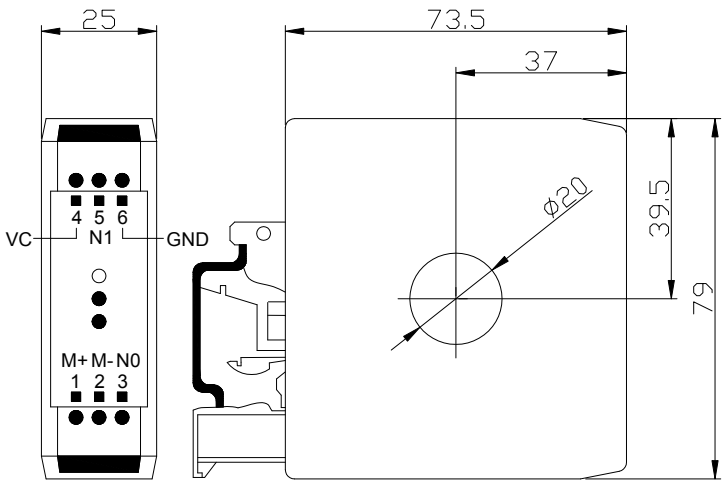
SHAANXI SHINHOM ENTERPRISE CO.,LTD

HALL-EFFECT CURRENT SENSOR

Specifications: DC current transducer, Nominal current 100…300A DC for measuring of DC current, output: 4…20mA DC

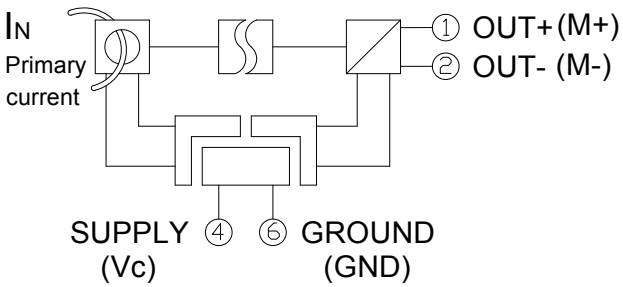
	Type	HBC-100ADS/A1	HBC-200ADS/A1	HBC-300ADS/A1
I_N	Nominal current (DC)	100A	200A	300A
I_P	Measuring range (DC)	0…120A	0…240A	0…360A
R_M	Measuring resistance	<300Ω		
I_M	Output current (DC)	Nominal output current 4…20mA, for primary nominal current 0…I_N		
X	Accuracy	I_N±1.0% (Ta =+25℃)		
K_N	Turns ratio	……		
Vc	Supply voltage	+24V (±5%)		
Ic	Current consumption	60mA+I_M (Output current)		
Vi	Isolation voltage	Between primary and secondary circuit: 2.5KV RMS/50Hz/1min.		
Ioff	Offset current	4mA±0.2mA max, for primary current I_N=0 (Ta =+25℃)		
Td	Temperature drift	I_M of 0.05%/℃ (Ta = -25…+85℃)		
L	Linearity	< 0.2%		
Tr	Response time	<0.35S		
	di/dt	……		
f	Frequency bandwidth	DC		
Ta	Operating temperature	-25℃…+85℃		
Ts	Storage temperature	-40℃…+90℃		
Rs	Secondary resistance	……		
R_N	Primary resistance	……		
W	Weight	85g		

Dimensions (mm):



DIN rail fastening

Connection:



Secondary terminals:
Terminal 1: output + (M+)
Terminal 2: output – (M-)
Terminal 3: non connection (N0)

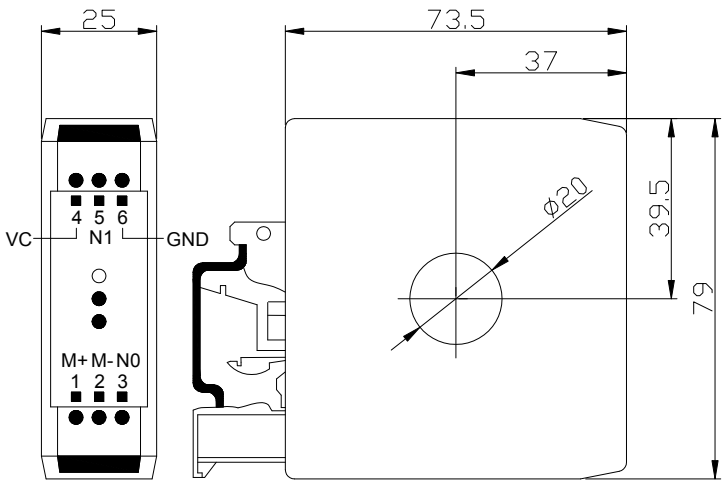
Supply terminals:
Terminal 4: supply voltage +24V (Vc)
Terminal 5: non connection (N1)
Terminal 6: ground (GND)

Specifications:

DC current transducer, Nominal current 100…300A DC for measuring of DC current, output: 0…5V DC

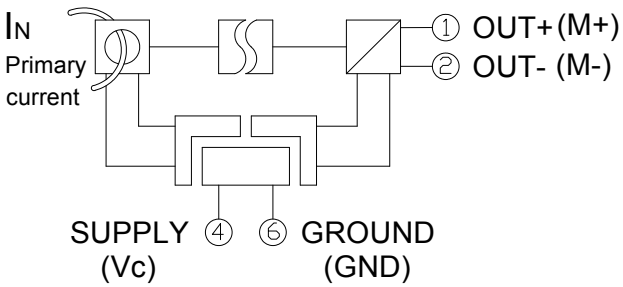
	Type	HBC-100ADS/V0	HBC-200ADS/V0	HBC-300ADS/V0
I_N	Nominal current (DC)	100A	200A	300A
I_P	Measuring range (DC)	0…120A	0…240A	0…360A
R_M	Measuring resistance	>10KΩ		
V_M	Output voltage (DC)	Nominal output voltage 0…5V, for primary nominal current 0…I_N		
X	Accuracy	I_N±1.0% (Ta =+25℃)		
K_N	Turns ratio	……		
Vc	Supply voltage	+24V (±5%)		
Ic	Current consumption	60mA		
Vi	Isolation voltage	Between primary and secondary circuit: 2.5KV RMS/50Hz/1min.		
Voff	Offset voltage	±30mV max, for primary current I_N=0 (Ta =+25℃)		
Td	Temperature drift	I_M of 0.05%/℃ (Ta = -25…+85℃)		
L	Linearity	< 0.2%		
Tr	Response time	<0.35S		
	di/dt	……		
f	Frequency bandwidth	DC		
Ta	Operating temperature	-25℃…+85℃		
Ts	Storage temperature	-40℃…+90℃		
Rs	Secondary resistance	……		
R_N	Primary resistance	……		
W	Weight	85g		

Dimensions (mm):



DIN rail fastening

Connection:



Secondary terminals:
Terminal 1: output + (M+)
Terminal 2: output – (M-)
Terminal 3: non connection (N0)

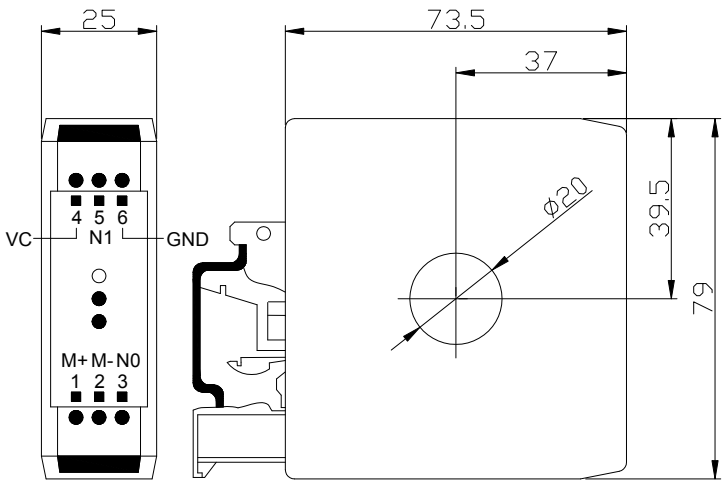
Supply terminals:
Terminal 4: supply voltage +24V (Vc)
Terminal 5: non connection (N1)
Terminal 6: ground (GND)

Specifications:

DC current transducer, Nominal current 100…300A DC for measuring of DC current, output: 1…5V DC

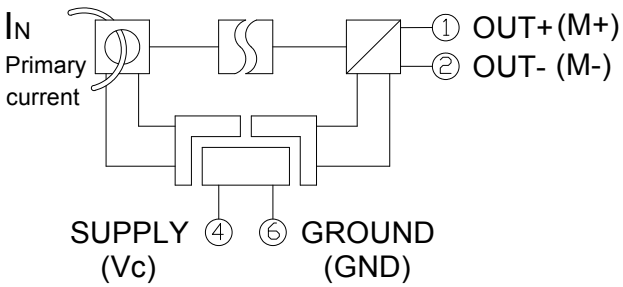
	Type	HBC-100ADS/V1	HBC-200ADS/V1	HBC-300ADS/V1
I_N	Nominal current (DC)	100A	200A	300A
I_P	Measuring range (DC)	0…120A	0…240A	0…360A
R_M	Measuring resistance	>10KΩ		
V_M	Output voltage (DC)	Nominal output voltage 1…5V, for primary nominal current 0…I_N		
X	Accuracy	I_N±1.0% (Ta =+25℃)		
K_N	Turns ratio	……		
Vc	Supply voltage	+24V (±5%)		
Ic	Current consumption	60mA		
Vi	Isolation voltage	Between primary and secondary circuit: 2.5KV RMS/50Hz/1min.		
Voff	Offset voltage	1V±30mV max, for primary current I_N=0 (Ta =+25℃)		
Td	Temperature drift	I_M of 0.05%/℃ (Ta = -25…+85℃)		
L	Linearity	< 0.2%		
Tr	Response time	<0.35S		
	di/dt	……		
f	Frequency bandwidth	DC		
Ta	Operating temperature	-25℃…+85℃		
Ts	Storage temperature	-40℃…+90℃		
Rs	Secondary resistance	……		
R_N	Primary resistance	……		
W	Weight	85g		

Dimensions (mm):



DIN rail fastening

Connection:



Secondary terminals:
Terminal 1: output + (M+)
Terminal 2: output – (M-)
Terminal 3: non connection (N0)

Supply terminals:
Terminal 4: supply voltage +24V (Vc)
Terminal 5: non connection (N1)
Terminal 6: ground (GND)