

CLOSE LOOP HALL CURRENT SENSORS

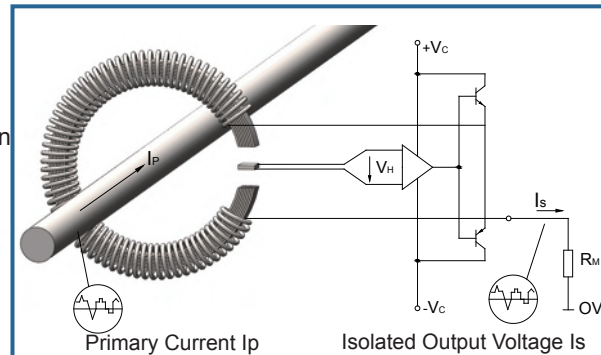
Close loop hall current sensors is a new generation of current sensor which applies hall effect principle, can measure direct current, alternating current, pulse and current of various irregular wave forms in electrical isolation conditions. Higher accuracy and linearity, short responding time and wide frequency band make it widely used in current monitoring devices, high current protection and other fields. The product has many other advantages: firm structure, low power consumption, small size, light weight, long lifetime, easy installation, vibration resistance, water vapor proof and dust proof, which assure convenient and reliable usage. And users can define the rated primary current and secondary rated output based on actual demand.

Working Principle

The magnetic field produced by primary current I_p is balanced with the magnetic field produced by secondary coil current. The hall unit and auxiliary circuit produce secondary magnetic compensation current that can accurately response the primary current.

Functions

- Wide frequency band
- Excellent linearity
- Good overall accuracy
- No insertion loss
- Quick response time
- Low temperature drift



Close loop hall current sensors (PCB)

Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output I_{OUT} (mA) V_{OUT} (V)	Supply Voltage V_C (V)	Frequency (KHZ)	Accuracy $T_a=25^\circ\text{C}$ (%)	Operating Temperature T_a ($^\circ\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
HCS-25i	8	16	24									
	12	25	24	± 12	0-100	0.5	-40...+85	2.5	< 1	$\Phi 4$	1	1
	25	50	25									
HCS-25i2	25	50	25	± 12	0-100	0.5	-40...+85	2.5	< 1	$\Phi 8$	1	2
HCS-50i2	50	100	25	± 12	0-100	0.5	-40...+85	2.5	< 1	$\Phi 8$	1	2
HCS-6i/SP1	6	19	$2.5 \pm 0.625\text{V}$	+5	0-100	0.5	-40...+85	2.5	< 1	$\Phi 4$	2	1
HCS-15i/SP1	15	48	$2.5 \pm 0.625\text{V}$	+5	0-100	0.5	-40...+85	2.5	< 1	$\Phi 4$	2	1
HCS-25i/SP1	25	80	$2.5 \pm 0.625\text{V}$	+5	0-100	0.5	-40...+85	2.5	< 1	$\Phi 4$	2	1
HCS-6i2/SP1	6	19	$2.5 \pm 0.625\text{V}$	+5	0-100	0.5	-40...+85	2.5	< 1	$\Phi 8$	2	2
HCS-15i2/SP1	15	48	$2.5 \pm 0.625\text{V}$	+5	0-100	0.5	-40...+85	2.5	< 1	$\Phi 8$	2	2
HCS-25i2/SP1	25	80	$2.5 \pm 0.625\text{V}$	+5	0-100	0.5	-40...+85	2.5	< 1	$\Phi 8$	2	2
HCS-0.25E	0.25	0.36	25	± 12	0-100	0.5	-25...+85	2.5	< 1	PCB	3	3
HCS-0.5E	0.5	0.72	25	± 12	0-100	0.5	-25...+85	2.5	< 1	PCB	3	3
HCS-1E	1	1.5	25	± 12	0-100	0.5	-25...+85	2.5	< 1	PCB	3	3
HCS-1.5E	1.5	2.2	24	± 12	0-100	0.5	-25...+85	2.5	< 1	PCB	3	3
HCS-2E	2	3	24	± 12	0-100	0.5	-25...+85	2.5	< 1	PCB	3	3
HCS-2.5E	2.5	3.6	25	± 12	0-100	0.5	-25...+85	2.5	< 1	PCB	3	3
HCS-5E	5	6	25	± 12	0-100	0.5	-25...+85	2.5	< 1	PCB	3	3



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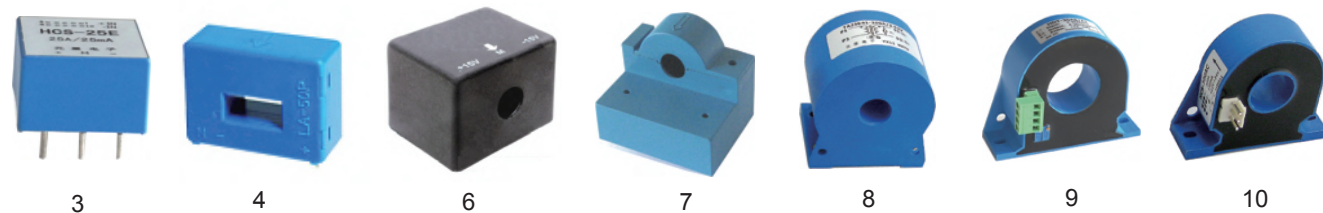
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Close loop hall current sensors

Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output I_{OUT} (mA) V_{OUT} (V)	Supply Voltage V_C (V)	Frequency (KHZ)	Accuracy $T_a=25^\circ\text{C}$ (%)	Operating Temperature T_a ($^\circ\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
	5	7	25								3	
	6	9	24								3	
HCS-25E	8	12	24	± 12	0-100	0.5	-25...+85	2.5	< 1	PCB	3	3
	12	18	24								3	
	25	36	25								3	
HCS-50i3	50	80	50	± 12	0-100	0.5	-25...+85	2.5	< 1	15x7	4	4
HCS-100i3	100	150	50	± 12	0-100	0.5	-25...+85	2.5	< 1	15x7	4	4
HCS-50i5	50	80	50	± 12	0-100	0.5	-25...+85	3	< 1	$\Phi 12$	4	6
HCS-100i5	100	150	100	± 12	0-100	0.5	-25...+85	3	< 1	$\Phi 12$	4	6
HCS-50i6	50	80	50	± 12	0-100	0.5	-25...+85	3	< 1	$\Phi 9.2$	5	7
HCS-100i6	100	150	150	± 12	0-100	0.5	-25...+85	3	< 1	$\Phi 9.2$	5	7

Close Loop Hall Current Sensors (Bolton)

Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output I_{OUT} (mA) V_{OUT} (V)	Supply Voltage V_C (V)	Frequency (KHZ)	Accuracy $T_a=25^\circ\text{C}$ (%)	Operating Temperature T_a ($^\circ\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
HCS-50C	50	75	50	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 20$	5	10
HCS-100C	100	150	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 20$	5	10
HCS-200C	200	300	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 20$	5	10
HCS-300C	300	450	150	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 20$	5	10
HCS-10C3	10	15	10	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 12$	5	8
HCS-20C3	20	30	20	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 12$	5	8
HCS-50C3	50	75	50	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 12$	5	8
HCS-100C3	100	150	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 12$	5	8
HCS-20C4	20	30	20	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 15$	5	9
HCS-50C4	50	75	50	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 15$	5	9
HCS-80C4	80	120	80	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 15$	5	9
HCS-100C4	100	150	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 15$	5	9



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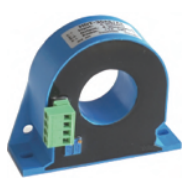
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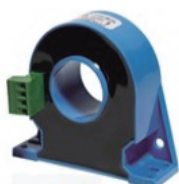
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Close Loop Hall Current Sensors (Bolton)

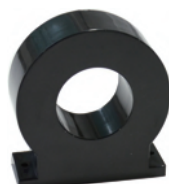
Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output I_{OUT} (mA) V_{OUT} (V)	Supply voltage V_C (V)	Frequency (KHZ)	Accuracy $T_a=25^\circ\text{C}$ (%)	Operating Temperature T_a ($^\circ\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
HCS-150C4	150	225	75	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 15$	5	9
HCS-200C4	200	300	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 15$	5	9
HCS-50C5	50	100	50	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 25$	5	11
HCS-100C5	100	150	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 25$	5	11
HCS-200C5	200	300	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 25$	5	11
HCS-300C5	300	450	150	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 25$	5	11
HCS-100C6	100	150	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 30$	5	12
HCS-200C6	200	300	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 30$	5	12
HCS-300C6	300	450	150	$\pm 12 \sim 24$	0-100	0.5	-25...+85	3	< 1	$\Phi 30$	5	12
HCS-300C7	300	450	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 35$	5	13
HCS-500C7	500	750	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 35$	5	13
HCS-500C8	500	750	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 45$	5	14
HCS-1000C8	1000	1500	200	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 45$	5	14
HCS-1000C9	1000	1500	200	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 50$	5	15
HCS-1000C10	1000	1500	200	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 55$	5	16
HCS-50G	50	75	50	$\pm 12 \sim 15$	0-100	0.5	-25...+85	2.5	< 1	10x20	5	39
HCS-100G	100	150	100	$\pm 12 \sim 15$	0-100	0.5	-25...+85	2.5	< 1	10x20	5	39
HCS-300D	300	450	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	5	< 1	$\Phi 30$	5	18
HCS-500D	500	750	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	5	< 1	$\Phi 30$	5	18
HCS-300D1	300	450	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 42$	5	19
HCS-500D1	500	750	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 42$	5	19
HCS-800D1	800	1200	160	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 42$	5	19
HCS-1000D1	1000	1500	200	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 42$	5	19
HCS-300D2	300	450	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 61$	5	20
HCS-500D2	500	750	100	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 61$	5	20
HCS-800D2	800	1200	160	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 61$	5	20
HCS-1000D2	1000	1500	200	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 61$	5	20
HCS-1500D2	1500	2250	300	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 61$	5	20
HCS-2000D2	2000	3000	400	$\pm 12 \sim 24$	0-100	0.5	-25...+85	6	< 1	$\Phi 61$	5	20



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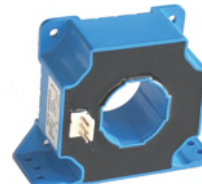
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Close Loop Hall Current Sensors (Bolton)

Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output I_{OUT} (mA) V_{OUT} (V)	Supply Voltage V_C (V)	Frequency (KHZ)	Accuracy $T_a=25^{\circ}\text{C}$ (%)	Operating Temperature T_a ($^{\circ}\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
HCS-3x1P1	1	1.5	3x1	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 10$	5	21
HCS-3x5P1	5	7.5	3x5	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 10$	5	21
HCS-3x10P1	10	15	3x10	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 10$	5	21
HCS-3x5P3	5	7.5	3x5	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 20$	5	23
HCS-3x10P3	10	15	3x10	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 20$	5	23
HCS-3x20P3	20	30	3x20	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 20$	5	23
HCS-3x50P3	50	75	3x50	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 20$	5	23
HCS-3x100P3	100	150	3x50	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 20$	5	23
HCS-3x5P4	5	7.5	3x5	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 15$	5	24
HCS-3x10P4	10	15	3x10	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 15$	5	24
HCS-3x20P4	20	30	3x20	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 15$	5	24
HCS-3x50P4	50	75	3x50	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 15$	5	24
HCS-3x100P4	100	150	3x50	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 15$	5	24
HCS-3x20P5	20	30	3x20	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 20$	5	25
HCS-3x50P5	50	75	3x50	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 20$	5	25
HCS-3x100P5	100	150	3x50	± 15	0-100	0.5	-25...+85	3	< 1	3x $\Phi 20$	5	25



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Current and Voltage
Sensor

Close
Loop
Open
loop
Hall Current Sensors

Hall Voltage
Sensors

AC
DC
Current Transducer

AC
DC
Voltage Transducer

DC leakage
current
sensor

DC leakage
current
Transducer

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OPEN LOOP HALL CURRENT SENSORS

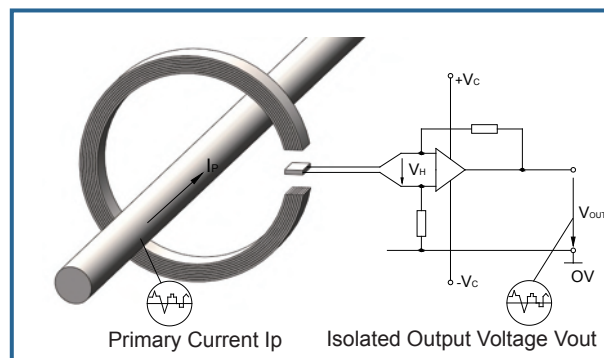
Open loop hall current sensors use the open loop hall direct testing principle to test direct current, alternating current and pulse current, the primary current is electrical isolation with secondary output signal. The output value can be customized. This produce has core through structure, no insertion loss, various case styles. For split core structure, there is no need to cut off the primary bus for installation.

Working Principle

The magnetic flux produced by primary current I_p is focused on the core, use hall unit to test in the air gap, The output of hall unit can accurately reflect the primary current change on the sensor output side after treatment.

Functions

- Small size
- Lower power consumption
- Wide measuring range
- No insertion loss
- Light weight



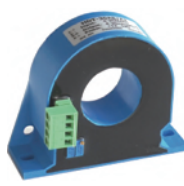
Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output V_M (V)	Supply Voltage V_C (V)	Frequency (KHZ)	Accuracy $T_a=25^\circ\text{C}$ (%)	Operating Temperature T_a ($^\circ\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
HOS-50i4	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
HOS-100i4	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
HOS-200i4	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
HOS-300i4	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
HOS-50G	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
HOS-100G	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
HOS-200G	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
HOS-300G	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
HOS-400G	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
HOS-500G	500	750	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
HOS-600G	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
HOS-50C	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
HOS-100C	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
HOS-200C	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
HOS-300C	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
HOS-400C	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
HOS-600C	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
HOS-100C5	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11



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Open loop hall current sensors

Current and Voltage
Sensor

Close
Loop
Open
loop

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Sensors

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DC
Current Transducer

AC
DC
Voltage Transducer

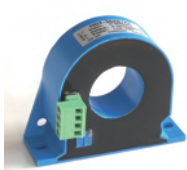
DC leakage
current
sensor

DC leakage
current
Transducer

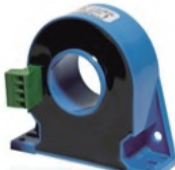
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HOS-200C5	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11
HOS-400C5	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11
HOS-600C5	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11
HOS-200C6	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 30$	7	12
HOS-400C6	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 30$	7	12
HOS-600C6	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 30$	7	12
HOS-800C6	800	1200	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 30$	7	12
HOS-200C7	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
HOS-400C7	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
HOS-600C7	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
HOS-800C7	800	1200	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
HOS-1000C7	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
HOS-500C8	500	750	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14
HOS-600C8	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14
HOS-800C8	800	1200	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14
HOS-1000C8	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14
HOS-1500C8	1500	2250	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14

Open loop hall current sensors (open structure)

Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output I_{OUT} (mA) V_{OUT} (V)	Supply Voltage V_C (V)	Frequency (KHZ)	Accuracy $T_a=25^\circ\text{C}$ (%)	Operating Temperature T_a ($^\circ\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
HOS-50Q1	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
HOS-100Q1	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
HOS-200Q1	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
HOS-300Q1	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
HOS-400Q1	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
HOS-500Q1	500	750	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40



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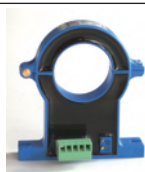
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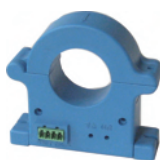
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Open loop hall current sensors (open structure)

Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output V_M (V)	Supply Voltage V_C (V)	Frequency (KHZ)	Accuracy $I_a=25^\circ\text{C}$ (%)	Operating Temperature T_a ($^\circ\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
HOS-100Q11	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	41
HOS-200Q11	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	41
HOS-400Q11	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	41
HOS-600Q11	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	41
HOS-800Q11	800	1200	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	41
HOS-50Q2	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 25$	7	42
HOS-100Q2	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 25$	7	42
HOS-200Q2	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 25$	7	42
HOS-300Q2	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 25$	7	42
HOS-400Q2	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 25$	7	42
HOS-500Q2	500	750	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 25$	7	42
HOS-600Q2	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 25$	7	42
HOS-100Q3	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 35$	7	43
HOS-200Q3	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 35$	7	43
HOS-400Q3	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 35$	7	43
HOS-600Q3	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 35$	7	43
HOS-100Q4	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 50$	7	44
HOS-200Q4	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 50$	7	44
HOS-400Q4	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 50$	7	44
HOS-600Q4	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 50$	7	44
HOS-800Q4	800	1200	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 50$	7	44
HOS-1000Q4	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	$\Phi 50$	7	44
HOS-50K1	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	42x15	7	45
HOS-100K1	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	42x15	7	45
HOS-200K1	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	42x15	7	45
HOS-300K1	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	42x15	7	45
HOS-400K1	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	42x15	7	45
HOS-500K1	500	750	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	42x15	7	45
HOS-600K1	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	42x15	7	45
HOS-200K2	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46



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Open loop hall current sensors (open structure)

Part No.	Normal Current I_N (A)	Measuring Range I_P (A)	Rated Output V_M (V)	Supply Voltage V_C (V)	Frequency (KHZ)	Accuracy $T_a=25^{\circ}\text{C}$ (%)	Operating Temperature T_a ($^{\circ}\text{C}$)	Isolation Voltage V_i (KV)	Responding Time (μs)	Window (mm)	Connection Figure NO.	Profile NO.
HOS-400K2	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46
HOS-600K2	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46
HOS-800K2	800	1200	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46
HOS-1000K2	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46
HOS-1000K3	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
HOS-2000K3	2000	3000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
HOS-3000K3	3000	4500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
HOS-5000K3	5000	6000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
HOS-6000K3	6000	9000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
HOS-1000K4	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
HOS-2000K4	2000	3000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
HOS-3000K4	3000	4500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
HOS-4000K4	4000	6000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
HOS-6000K4	6000	9000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
HOS-1000K5	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
HOS-2000K5	2000	3000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
HOS-3000K5	3000	4500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
HOS-4000K5	4000	6000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
HOS-5000K5	5000	7500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
HOS-6000K5	6000	9000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
HOS-2000K6	2000	3000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	122x22	7	50
HOS-3000K6	3000	4500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	122x22	7	50
HOS-5000K6	5000	7500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	122x22	7	50
HOS-8000K6	8000	12000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	122x22	7	50
HOS-10000K6	10000	15000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	122x22	7	50
HOS-3000K7	3000	4500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	184x44	7	51
HOS-5000K7	5000	7500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	184x44	7	51
HOS-8000K7	8000	12000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	184x44	7	51
HOS-10000K7	10000	15000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	184x44	7	51

Current and Voltage Sensor

Hall Current Sensors
Close Loop
Open loop

Hall Voltage Sensors

Current Transducer
AC

DC

Voltage Transducer
AC

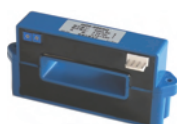
DC

DC leakage current sensor

DC leakage current Transducer



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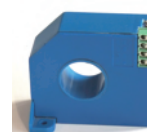
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