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Honeywell Sensing and Control has replaced the PDF product catalog with the new **Interactive Catalog**. The **Interactive Catalog** is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.



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Sensing and Control

Honeywell Inc.

11 West Spring Street

Freeport, Illinois 61032



FEATURES

- Linear output
- AC or DC current sensing
- Through-hole design
- Fast response time
- Output voltage isolation from input
- Minimum energy dissipation
- Maximum current limited only by conductor size
- Adjustable performance and built-in temperature compensation assures reliable operation
- Accurate, low cost sensing
- Operating temperature range -25 to 85°C
- Housing: PET polyester

LINEAR CURRENT SENSORS

MICRO SWITCH CS series linear current sensors incorporate our 91SS12-2 and SS94A1 linear output Hall effect transducer (LOHET™). The sensing element is assembled in a printed circuit board mountable housing. This housing is available in four configuration as shown in mounting dimension figures 1, 1a, 2 and 2a. Normal mounting is with 0.375 inch long 4-40 screw and square nut (not provided) inserted in the housing or a 6-20 self-tapping screw. The combination of the sensor, flux collector, and housing comprises the holder assembly. These sensors are ratiometric.

ORDER GUIDE — BOTTOM MOUNT WITH 9SS SENSOR, SOURCE OUTPUT

Catalog Listing	Mtg. Dim. Fig.	Supply Volt. (Volts DC)	Supply Current (mA Max.)	Sensed Current (Amps Peak)	Offset Volt. (Volts ±10%)	Sensitivity mV·N* At 12 VDC		Offset Shift (%/°C)	Response Time (μ Sec.)
						Nominal	± TOL		
CSLA1CD	1	8 to 16	19	57	V _{cc} /2	49.6	5.8	±.05	3
CSLA1CE	1	8 to 16	19	75	V _{cc} /2	39.4	4.4	±.05	3
CSLA1DE	2	8 to 16	19	75	V _{cc} /2	39.1	4.8	±.05	3
CSLA1CF	1	8 to 16	19	100	V _{cc} /2	29.7	2.7	±.05	3
CSLA1DG	2	8 to 16	19	120	V _{cc} /2	24.6	2.1	±.05	3
CSLA1CH	1	8 to 16	19	150	V _{cc} /2	19.6	1.8	±.05	3
CSLA1DJ	2	8 to 16	19	225	V _{cc} /2	13.2	1.2	±.05	3
CSLA1EJ	1a	8 to 16	19	225	V _{cc} /2	13.2	1.5	±.05	3
CSLA1DK	2	8 to 16	19	325	V _{cc} /2	9.1	1.7	±.05	3
CSLA1EK	1a	8 to 16	19	325	V _{cc} /2	9.4	1.3	±.05	3
CSLA1EL	1a	8 to 16	19	625	V _{cc} /2	5.6	1.3	±.05	3

BOTTOM MOUNT WITH SS9 SENSOR, SINK/SOURCE OUTPUT

Catalog Listing	Mtg. Dim. Fig.	Supply Volt. (Volts DC)	Supply Current (mA Max.)	Sensed Current (Amps Peak)	Offset Volt. (Volts ±2%)	Sensitivity mV·N* At 8 VDC		Offset Shift (%/°C)	Response Time (μ Sec.)
						Nominal	± TOL		
CSLA2CD	1	6 to 12	20	72	V _{cc} /2	32.7	3.0	±.02	3
CSLA2CE	1	6 to 12	20	92	V _{cc} /2	26.1	2.1	±.02	3
CSLA2DE	2	6 to 12	20	92	V _{cc} /2	25.6	2.2	±.02	3
CSLA2CF	1	6 to 12	20	125	V _{cc} /2	19.6	1.3	±.02	3
CSLA2DG	2	6 to 12	20	150	V _{cc} /2	16.2	1.1	±.02	3
CSLA2DJ	2	6 to 12	20	225	V _{cc} /2	8.7	0.6	±.020	3
CSLA2DH	2	6 to 12	20	235	V _{cc} /2	9.8	1.1	±.0125	3
CSLA2EJ	1a	6 to 12	20	310	V _{cc} /2	7.6	0.7	±.0125	3
CSLA2DK	2	6 to 12	20	400	V _{cc} /2	5.8	0.5	±.0125	3
CSLA2EL	1a	6 to 12	20	550	V _{cc} /2	4.3	0.4	±.0125	3
CSLA2EM	1a	6 to 12	20	765	V _{cc} /2	3.1	0.3	±.007	3
CSLA2EN	1a	6 to 12	20	950	V _{cc} /2	2.3	0.2	±.007	3

NOTE: When monitoring purely AC current with zero DC component, a capacitor can be inserted in series with the output of the current sensor. The capacitor will block out the effect of the temperature variation of the offset voltage which increases the accuracy of the device.

* N = number of turns

SIDE MOUNT WITH 9SS SENSOR, SOURCE OUTPUT

Catalog Listing	Mtg. Dim. Fig.	Supply Volt. (Volts DC)	Supply Current (mA Max.)	Current (Amps Peak)	Sensed Offset Volt. (Volts ±10%)	Sensitivity			
						mV·N* At 12 VDC		Offset Shift (%/°C)	Response Time (μ Sec.)
						Nominal	± TOL		
CSLA1GD	2a	8 to 16	19	57	V _{cc} /2	49.6	5.8	±.05	3
CSLA1GE	2a	8 to 16	19	75	V _{cc} /2	39.4	4.4	±.05	3
CSLA1GF	2a	8 to 16	19	100	V _{cc} /2	29.7	2.7	±.05	3

SIDE MOUNT WITH SS9 SENSOR, SINK/SOURCE OUTPUT

Catalog Listing	Mtg. Dim. Fig.	Supply Volt. (Volts DC)	Supply Current (mA Max.)	Sensed Current (Amps Peak)	Offset Volt. (Volts ±2%)	Sensitivity mV·N* At 8 VDC		Offset Shift (%/°C)	Response Time (μ Sec.)
						Nominal	± TOL		
						CSLA2GD	2a		
CSLA2GE	2a	6 to 12	20	92	V _{cc} /2	26.1	2.1	±.02	8
CSLA2GF	2a	6 to 12	20	125	V _{cc} /2	19.6	1.3	±.02	8
CSLA2GG	2a	6 to 12	20	150	V _{cc} /2	12.7	0.6	±.02	8

NOTE: When monitoring purely AC current with zero DC component, a capacitor can be inserted in series with the output of the current sensor. The capacitor will block out the effect of the temperature variation of the offset voltage which increases the accuracy of the device.

*N = number of turns.

MOUNTING DIMENSIONS (for reference only)

Figure 1

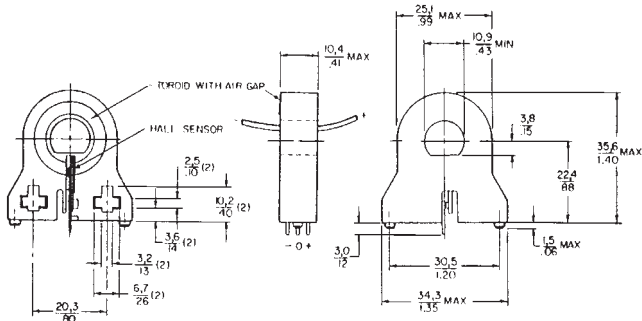


Figure 2

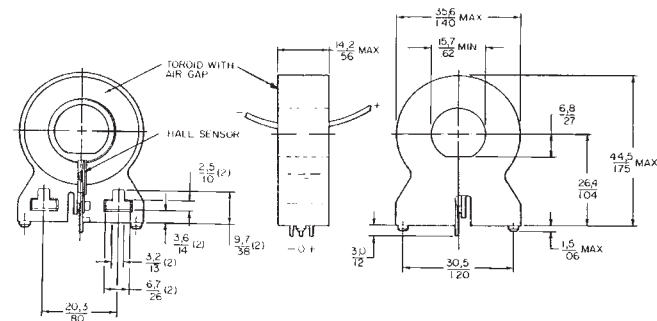


Figure 1a

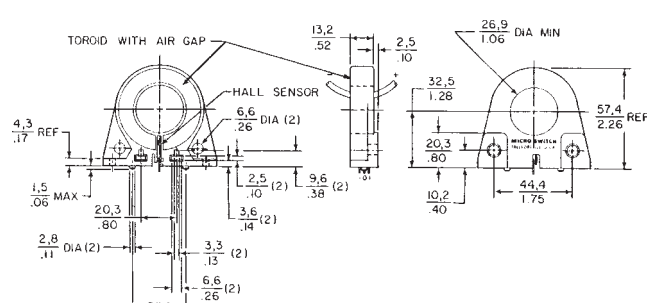
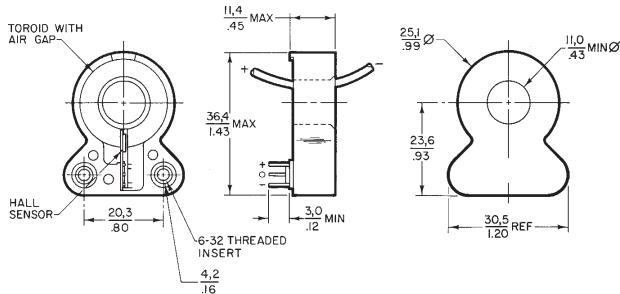


Figure 2a



* Application consideration: The output is clamped at the high end. Clamping voltage may be as low as 9VDC. The output will not exceed the clamping voltage regardless of field strength or supply voltage.

Current



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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