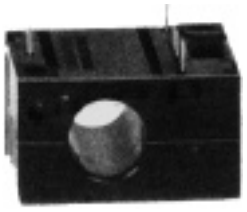
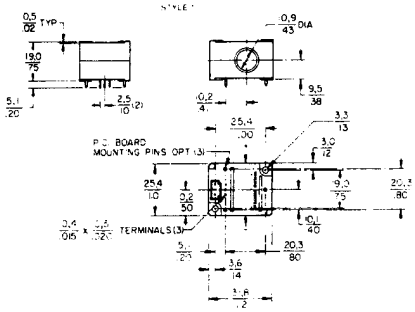
Current Sensors
Digital Output

CS Series

11



MOUNTING DIMENSIONS
(For reference only)



DIGITAL CURRENT SENSORS
Each MICRO SWITCH CS series digital current sensor provides a logic level output that changes from approximately Vcc to 0.4 volts when the sensed current exceeds the operate point. Each digital sensor will operate on AC or DC current, but the output will turn off at every zero crossing when sensing AC current.

FEATURES
- Digital output
- AC or DC current sensing
- Through-hole design
- Fast response time, 100 μsec
- Output voltage isolation from input
- Minimum energy dissipation
- Maximum current limited only by conductor size
- Accurate, low cost sensing
- Operating temperature range – 25 to 85°C

CS SERIES ORDER GUIDE

Catalog Listing	Operate Current @ 25° C (Amp-Turns) Min. Nom. Max.	Operate Current (Amp-Turns)	Release Current (Amp-Turns (Min.)	Supply Volt (Volts DC)	Output Volts Volts	Output Current (mA) Sinking
CSDA1BA	0.32 0.50 0.88	.25 to 1.0	0.08	6 to 16	0.4	20mA
CSDA1AA	0.32 0.50 0.88	.25 to 1.0	0.08	6 to 16	0.4	20mA

Current Sensors
Linear Output

CS Series

FEATURES
- Linear output
- AC or DC current sensing
- Through-hole design
- Fast response time, 100 μsec
- 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
- VCC/2 offset voltage

CS SERIES ORDER GUIDE

Catalog Listing	Supply Volt. (Volts DC)	Supply Current (mZ max.)	Sensed Current (Amps Peak)	Sensitivity mV/NI Nominal	±TOL	Offset Shift (%/°C)
CSLA1CD	8 to 16	19	57	49.6	5.8	±.05
CSLA1CE	8 to 16	19	75	39.4	4.4	±.05
CSLA1DE	8 to 16	19	75	39.1	4.8	±.05
CSLA2CD	6 to 12	20	72	32.7	3.0	±.02
CSLA2CE	6 to 12	20	92	26.1	2.1	±.02
CSLA2DG	6 to 12	20	150	16.2	1.1	±.02
CSLA2DJ	6 to 12	20	225	8.7	0.6	±.020

TYPICAL DIMENSIONS
(For reference only)