

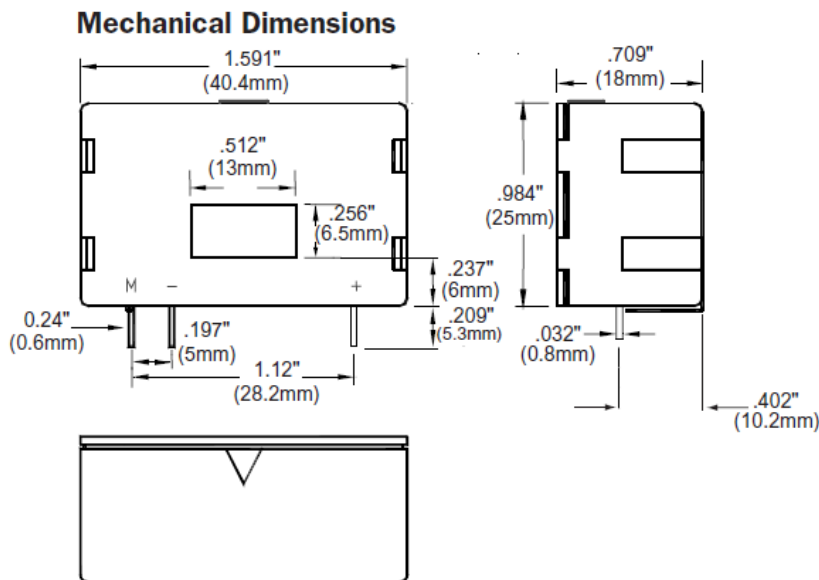
## Current sensors

# CLSM- 100 series



The CLSM models are closed loop Hall effect current sensors that accurately measure DC and AC currents and provide electrical isolation between the current carrying conductor and the output of the sensor.

### CLSM-100



### Features

- Noncontact measurement of high current
- High overload capacity
- Fast response
- High accuracy
- Measure AC, DC, and pulse currents

### Applications

- Variable speed motors
- Welding equipment
- Power supply equipment
- Measure and control system
- Over current production
- Protection of power semiconductors

### Contact

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## Current sensors

# CLSM- 100 series

### Specifications

Model:	CLSM-100	CLSM-100LA	CLSM-100S	CLSM-100MT
Nominal current			100 A	
Current range	0 to 150 A	0 to 200 A	0 to 200 A	0 to 150 A
Nominal output current			50 mA	
Turns ratio			2000/1	
Measuring resistance	0 to 80 Ω	0 to 100 Ω	0 to 100 Ω	0 to 50 Ω
Overall accuracy at 25 °C			±0.5%	
Supply voltage	15 to 18 V DC	15 to 18 V DC	12 to 18 V DC	15 to 18 V DC
Current consumption		15 mA + output current		
Zero current offset at 25 °C			< 0.2 mA	
Offset current temperature drift	< 0.25 mA	< 0.3 mA	< 0.3 mA	< 0.3 mA
Linearity			>0.1%	
Response time			Better than 0.5 μs	
Frequency range	DC to 250 kHz	DC to 200 kHz	DC to 200 kHz	DC to 250 kHz
Operating temperature	-25 to 85 °C	-40 to 85 °C	-25 to 85 °C	-25 to 85 °C
Storage temperature	-40 to 100 °C	-40 to 90 °C	-40 to 100 °C	-40 to 100 °C
Package		Flame retardant plastic case		
Weight	23 g	38 g	28 g	34 g
Mounting		Mount directly on PCB via through hole connection pins		
Isolation voltage			5 kV / 50 Hz / min.	
Aperture size	6.5 x 13 mm	10.2 x 26 mm	7 x 16 mm	10.5 x 20.6 mm

Note: Due to continuous process improvement, specifications are subject to change without notice