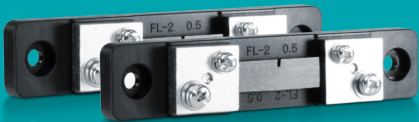


Shunt Series

Shunt-50A

DC Current Shunt Datasheet



Accuenergy DC current shunts are engineered for precision measurement in DC current systems. Designed to connect to a DC power meter to measure electrical currents based on a small voltage drop, DC current shunts provide accurate energy measurements in a variety of applications including renewable energy, mass transit, battery charging, electric vehicles, welding, heavy industrial environments, and OEM applications.

Features

- Accuracy class: 0.5%
- 75mV voltage drop

ACCUEnergy

Specifications

RATED CURRENT	50A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV

MECHANICAL/ENVIRONMENTAL

Form Factor	Inline installation
Exterior Dimensions	120.0mm x 25.0mm x 22.0mm 4.72" x 0.98" x 0.87"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 60°C / -40°F to 140°F
Shunt Temperature w/ Load Current	<80% of rated current = 80°C (176°F), >120% = of rated current = 120°C (248°F)
Storage Temperature	-55°C to 80°C / -67°F to 176°F
Operating Humidity	Non-condensing, 0 to 95% RH
Installation Conditions	Indoor Use

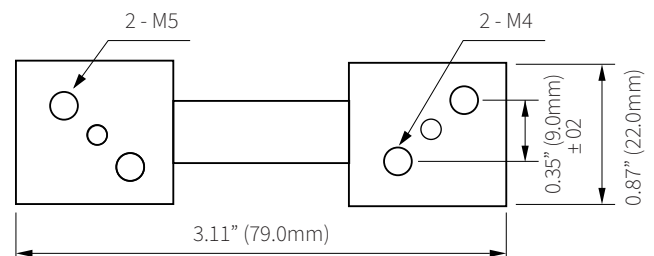
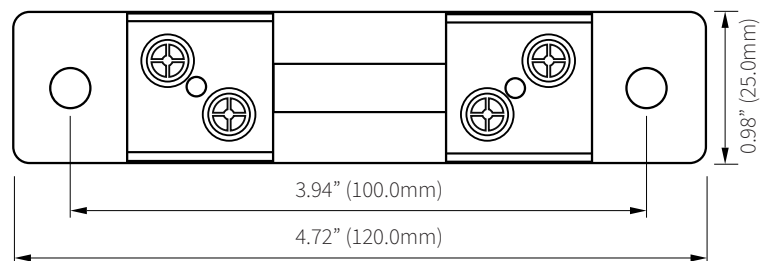
ELECTRICAL

Frequency Range	DC
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SAFETY/COMPLIANCE

Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



RoHS
COMPLIANT



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Revision Date: December 2023 Version: 1.0.2
Specs Subject To Change Without Notice.

Ordering Information

		Rated Input		Voltage Drop	
Ordering Number	Shunt	-	/		
Ordering Example	Shunt	-	50A	/	75mV
		50A			75mV