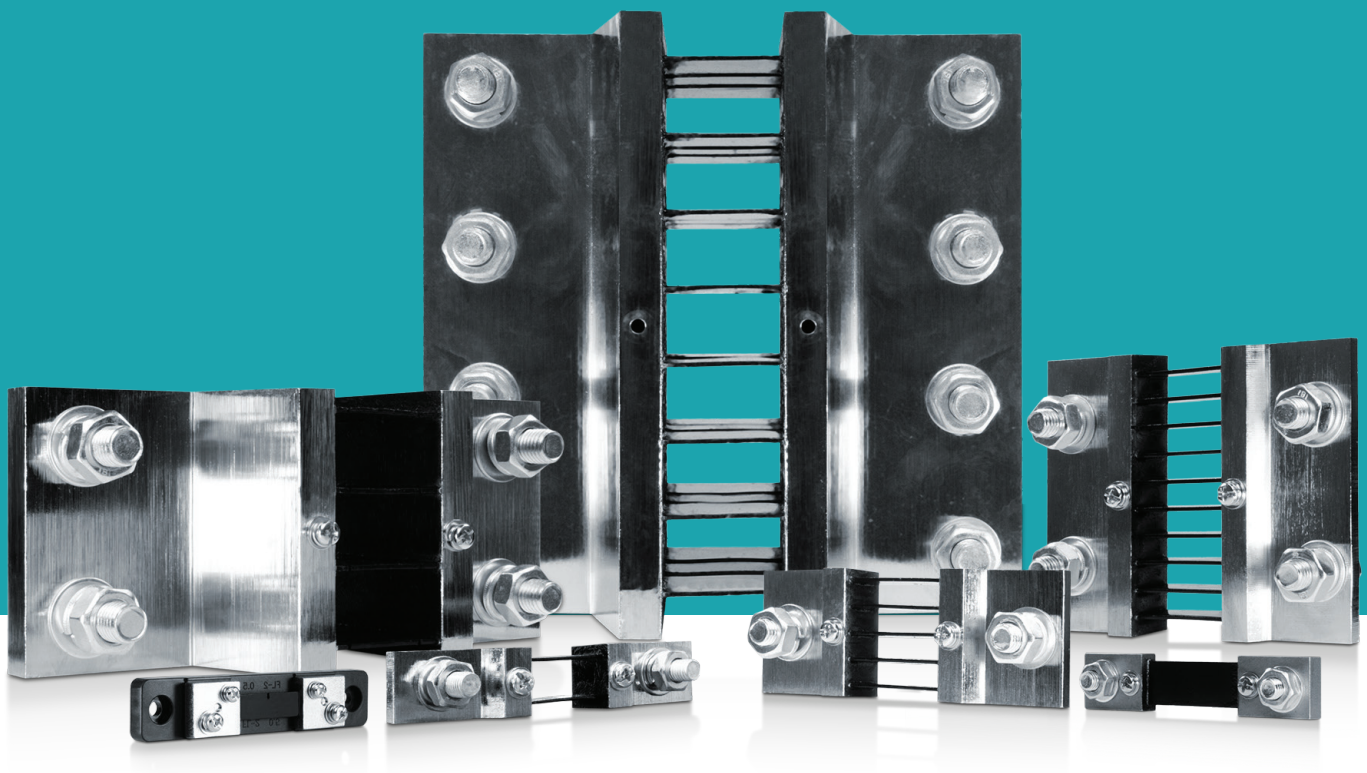
ACCUENERGY

Shunt Series

DC Current Shunt

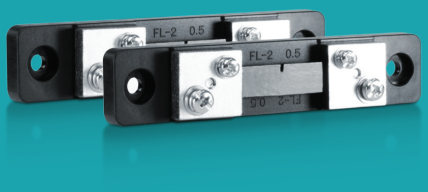


DATASHEET

Shunt Series

Shunt-50A

DC Current Shunt Datasheet



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Features

- Accuracy class: 0.5%
- 75mV voltage drop

RoHS COMPLIANT

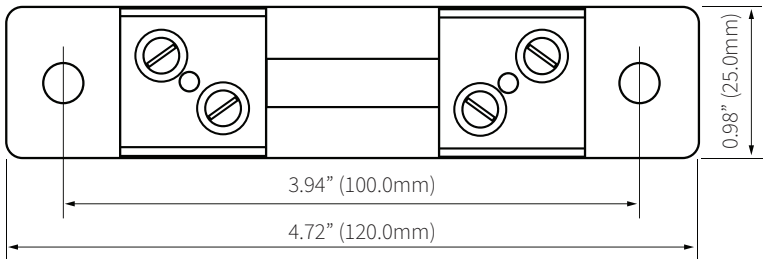
Accuenergy (Canada) Inc.
Los Angeles - Toronto - Beijing - Pretoria
North America Toll Free: 1-877-721-8908
Web: www.accuenergy.com
Email: marketing@accuenergy.com

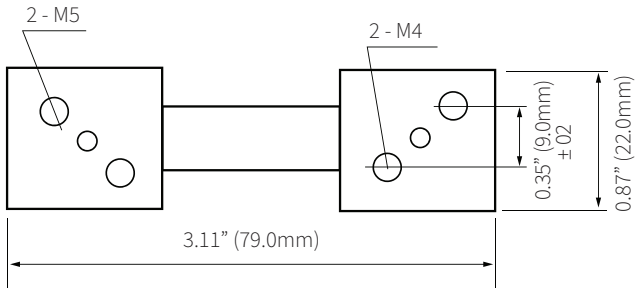
Revision Date: Sep 2021 Version: 1.0.0
Specs Subject To Change Without Notice.

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°C (176°F) when load current <50A <120°C (248°F) when load current >50A
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
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions





Ordering Information

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

Shunt Series

Shunt-100A

DC Current Shunt Datasheet

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Features

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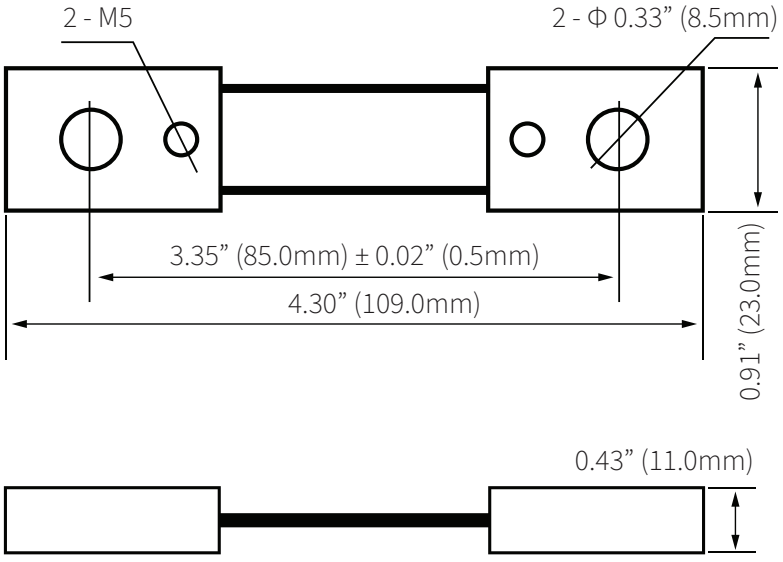
ACCUENERGY

Specifications

RATED CURRENT	100A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	109.0mm x 23.0mm x 11.0mm 4.30" x 0.91" x 0.43"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 60°C / -40°F to 140°F
Shunt Temperature w/ Load Current	<80°C (176°F) when load current <50A <120°C (248°F) when load current >50A
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
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



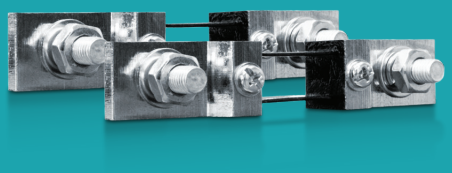
Ordering Information

			Rated Input		*Voltage Drop*
Ordering Number	Shunt	-		/	
Ordering Example	**Shunt**	**-**	**100A**	**/**	**75mV**
			100A		75mV

Shunt Series

Shunt-200A

DC Current Shunt Datasheet



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Features

- Accuracy class: 0.5%
- 75mV voltage drop

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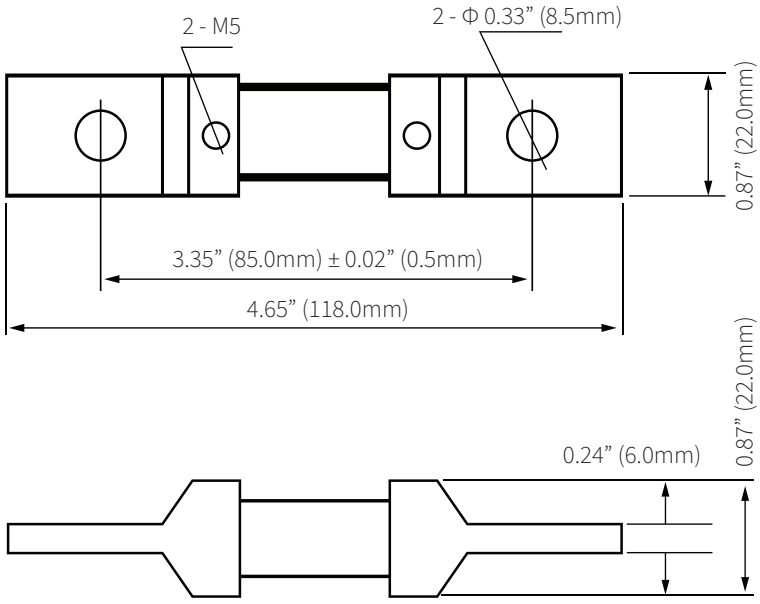
ACCUENERGY

Specifications

RATED CURRENT	200A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	118.0mm x 22.0mm x 22.0mm 4.65" x 0.87" 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°C (176°F) when load current <50A <120°C (248°F) when load current >50A
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
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



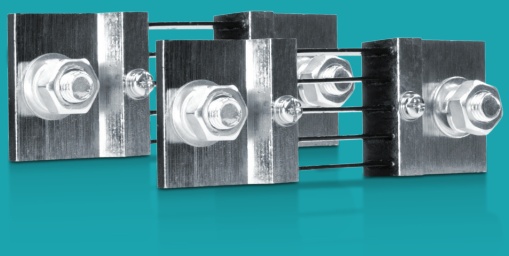
Ordering Information

			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	**Shunt**	**-**	**200A**	**/**	**75mV**
			200A		75mV

Shunt Series

Shunt-500A

DC Current Shunt Datasheet



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Features

- Accuracy class: 0.5%
- 75mV voltage drop

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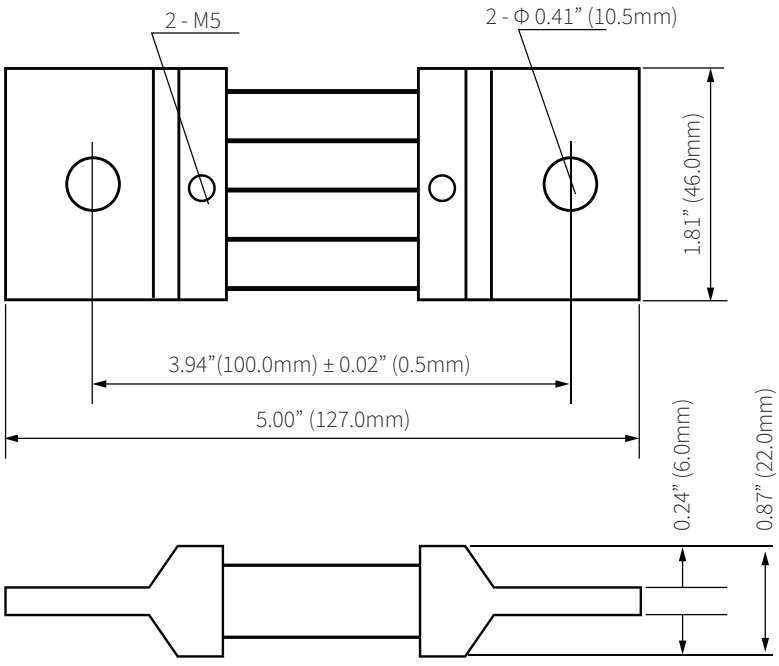
Specifications

RATED CURRENT	500A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	127.0mm x 46.0mm x 22.0mm 5.00" x 1.81" 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°C (176°F) when load current <50A <120°C (248°F) when load current >50A
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
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



Ordering Information

			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	**Shunt**	**-**	**500A**	**/**	**75mV**
			500A		75mV

Shunt Series

Shunt-1000A

DC Current Shunt Datasheet

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Features

- Accuracy class: 0.5%
- 75mV voltage drop

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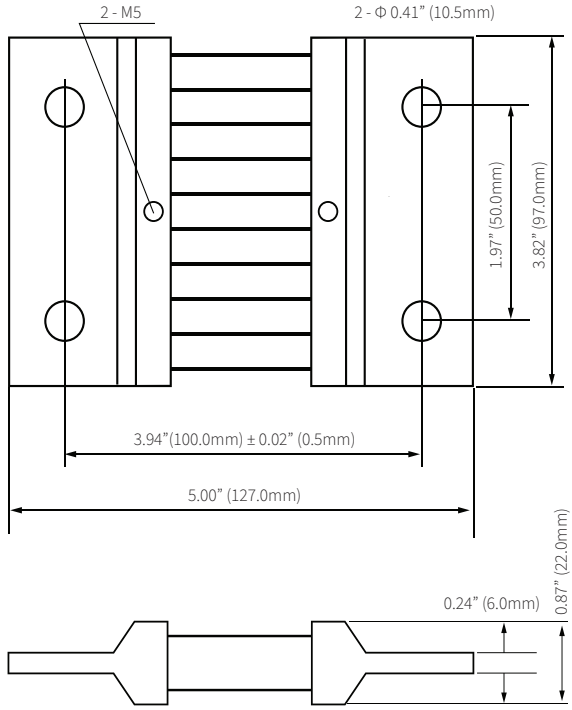
ACCUENERGY

Specifications

RATED CURRENT	1000A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	127.0mm x 97.0mm x 22.0mm 5.00" x 3.82" 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°C (176°F) when load current <50A <120°C (248°F) when load current >50A
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
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



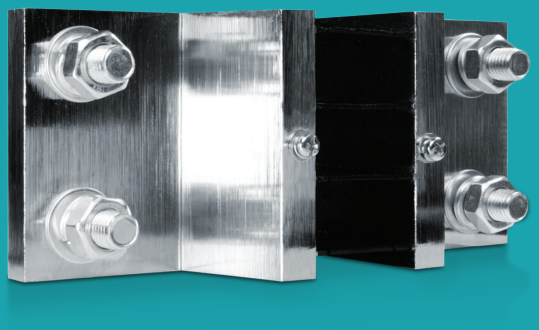
Ordering Information

			Rated Input		*Voltage Drop*
Ordering Number	Shunt	-		/	
Ordering Example	**Shunt**	**-**	**1000A**	**/**	**75mV**
			1000A		75mV

Shunt Series

Shunt-2000A

DC Current Shunt Datasheet



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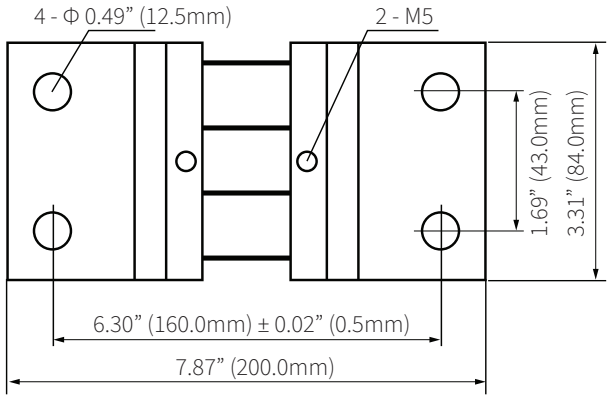
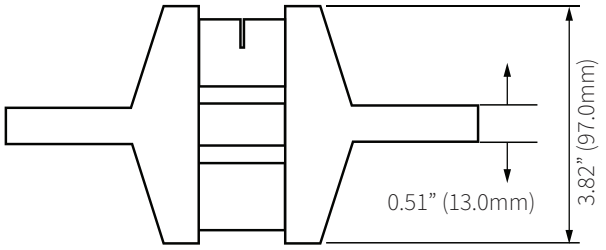
Specifications

RATED CURRENT	2000A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	200.0mm x 84.0mm x 97.0mm 7.87" x 3.31" x 3.82"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 60°C / -40°F to 140°F
Shunt Temperature w/ Load Current	<80°C (176°F) when load current <50A <120°C (248°F) when load current >50A
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
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions





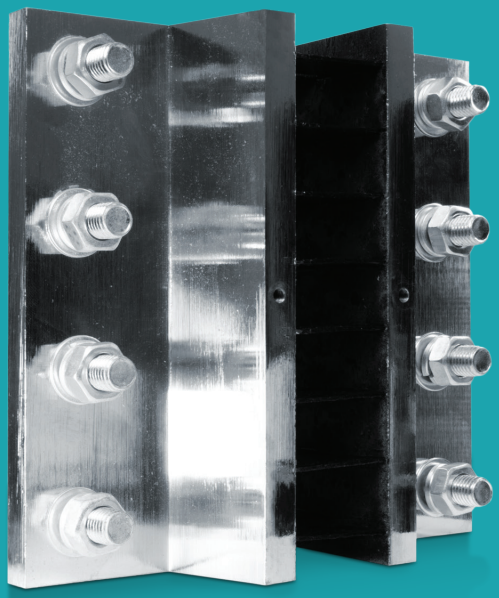
Ordering Information

				Rated Input		*Voltage Drop*
Ordering Number	Shunt	-		/		
Ordering Example	**Shunt**	**-**	**2000A**	**/**	**75mV**	
			2000A		75mV	

Shunt Series

Shunt-4000A

DC Current Shunt Datasheet



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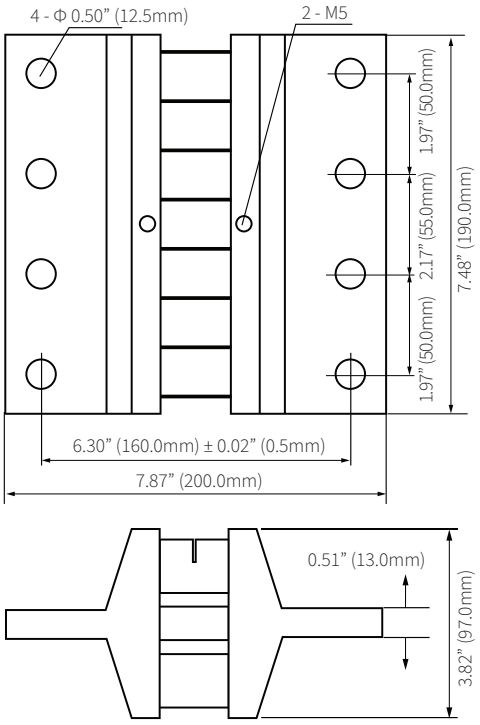
Specifications

RATED CURRENT	4000A
Current Range	10-120% of rated current
Accuracy	0.5%
Voltage Drop	75mV
MECHANICAL/ENVIRONMENTAL	
Form Factor	Inline installation
Exterior Dimensions	200.0mm x 190.0mm x 97.0mm 7.87" x 7.48" x 3.82"
Case Material	Manganin Alloy
Operating Temperature	-40°C to 60°C / -40°F to 140°F
Shunt Temperature w/ Load Current	<80°C (176°F) when load current <50A <120°C (248°F) when load current >50A
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
SAFETY/COMPLIANCE	
Overload	120% of nominal current (2 hours)
Certifications	RoHS

Dimensions



Ordering Information

			Rated Input		Voltage Drop
Ordering Number	Shunt	-		/	
Ordering Example	**Shunt**	**-**	**4000A**	**/**	**75mV**
			4000A		75mV