Product data sheet
Characteristics

EME3083
Square D - PowerLogic Energy Meter, EXT Range 800A, 2.45"X2.89" ID, 3CT's



Main

Range	PowerLogic
Product name	PowerLogic ENERGY METER
Product or Component Type	Energy meter
Device Application	Energy monitoring

Complementary

Type of measurement	Energy consumption Power Peak demand power Reactive power Power factor Voltage Current
Measurement accuracy	+/- 1 %
Measurement voltage	300 V AC between phase and neutral 480 V AC between phases
[Us] rated supply voltage	120...277 V AC - 25...10 %
Network Frequency	60 Hz 50 Hz
Line Rated Current	800 A
Display Type	Backlit LCD
Display size	1.2 x 3.8 inch
Information displayed	Energy consumption Power Power maximum) Reactive power Power factor Voltage Current
Local signalling	Phase loss NC function
Number of Outputs	1 pulse 1 alarm output
Output voltage	24 V AC/DC@100 mA
Impulse duration	200 ms
Number of pulse	4 p/kWh 1 p/kWh 2 p/kWh 10 p/kWh
Sampling rate	1280 Hz
Provided equipment	3 x current transformer
CT size	2.45 x 2.89 inch
Standards	ANSI C12.1
Product certifications	UL UL 3111-1 CUL
Width	7.60 in (193 mm)
Depth	Meter 2.99 in (76 mm)
Height	8.31 in (211 mm)

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Environment

Isolation voltage	320 V
Relative humidity	0…95 % non-condensing
Ambient air temperature for operation	32…122 °F (0…50 °C)
Ambient Air Temperature for Storage	-40…158 °F (-40…70 °C)

Ordering and shipping details

Category	09779-POWERLOGIC ENERGY METER
Discount Schedule	PL1
GTIN	785901000372
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.88 in (20.003 cm)
Package 1 Width	8.75 in (22.225 cm)
Package 1 Length	12.00 in (30.48 cm)
Package 1 Weight	6.00 lb(US) (2.722 kg)

Offer Sustainability

California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
EU RoHS Directive	Not compliant
China RoHS Regulation	China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months