

Product data sheet

Specifications



PowerLogic EM3500 DIN rail meter - Modbus 2 quadrant - flexible transducer

METSEEM3550A

Main

Range	PowerLogic
Range Of Product	PowerLogic EM3500
Device Short Name	EM3550A
Product Or Component Type	Energy meter
Metering Type	Peak demand power PM, QM, SM Demand power P, Q, S Voltage U21, U32, U13, V1, V2, V3 Current I1, I2, I3, Iavg

Complementary

Poles Description	3P + N
Type Of Measurement	Active and reactive power total Active and reactive power per phase Apparent power total Apparent power per phase Power factor total Power factor per phase Peak demand power Current Voltage Frequency
Device Application	Sub billing Partial meter
Accuracy Class	Class 0.5S power IEC 62053-22 Class 0.5S energy IEC 62053-22 Class 0.5S power ANSI C12.20 Class 0.5S energy ANSI C12.20
Measurement Accuracy	Power +/- 0.5 % Energy +/- 0.5 %
Input Type	Rogowski coil 50...5000 A
Rated Voltage	90...347 V
Network Frequency	50 Hz 60 Hz
Technology Type	Electronic
Display Type	Backlit LCD
Measurement Current	20...5000 A
Display Digits	5

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Information Displayed	Status and alert Communication with system Input/output status Error Tx activity Rx activity Instant power per usage
Tamperproof Of Settings	Protected by access code
Communication Port Protocol	Modbus RTU 1200...38400 bps - 2-wire
Communication Port Support	Screw terminal block RS485
Communication Service	Total cumulated energy Total cumulated active energy
Data Recording	Energy consumption logs
Demand Intervals	External synchronisation to communication Fixed or rolling block
Local Signalling	Red LED threshold reached Green flashing LED output signal
Number Of Outputs	1 alarm output 1 pulse
[Ue] Rated Operational Voltage	90...347 V AC 50/60 Hz between phase and neutral UL 156...600 V AC 50/60 Hz between phases UL 90...300 V AC 50/60 Hz between phase and neutral CE 125...300 V DC
Power Consumption In Va	5 VA 347 V AC between phase and neutral) 5 VA 600 V AC between phases)
Power Consumption In W	3 W 300 V
Ride-Through Time	100 ms 120 V AC
Mounting Mode	Clip-on By screws
Mounting Support	DIN rail
Standards	IEC 61010-1 CSA C22.2 No 14-05 UL 508
Product Certifications	CE IEC 61010 CULus UL 508

Environment

Relative Humidity	0...95 %
Ambient Air Temperature For Operation	-22...158 °F (-30...70 °C)
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Colour	Dark grey
9 Mm Pitches	12
Width	4.21 in (107 mm)
Height	3.58 in (91 mm)
Depth	2.32 in (59 mm)

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.80 in (9.65 cm)

Package 1 Width	8.30 in (21.08 cm)
Package 1 Length	9.50 in (24.13 cm)
Package 1 Weight	19.20 oz (544.311 g)

Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins