

Product data sheet

Characteristics

METSEEM3550

PowerLogic EM3500 DIN rail meter - Modbus 2 quadrant - current transformer



Main

Range	PowerLogic
Range of product	PowerLogic EM3500
Device short name	EM3550
Product or Component Type	Energy meter
Metering type	Voltage U21, U32, U13, V1, V2, V3 Peak demand power PM, QM, SM Demand power P, Q, S 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 0.2S power IEC 62053-22 Class 0.2S energy IEC 62053-22 Class 0.2S power ANSI C12.20 Class 0.2S energy ANSI C12.20
Measurement accuracy	Power +/- 0.2 % Energy +/- 0.2 %
Input type	Split core current transducer 0.333 V or 1 V
Technology Type	Electronic
Display Type	Backlit LCD
Measurement current	5...32000 A
Display digits	5
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	Fixed or rolling block External synchronisation to communication
Local signalling	Red LED threshold reached Green flashing LED output signal

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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	UL 508 IEC 61010-1 CSA C22.2 No 14-05
Product certifications	CE conforming to IEC 61010[RETURN]CULus conforming to 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)
Color	Dark grey
9 mm pitches	12
Width	4.2 in (107 mm)
Height	3.6 in (91 mm)
Depth	2.3 in (59 mm)

Ordering and shipping details

Category	US10PL109798
Discount Schedule	OPL1
GTIN	785901302605
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.6 in (9.1 cm)
Package 1 Width	4.2 in (10.7 cm)
Package 1 Length	2.3 in (5.9 cm)
Package 1 Weight	8.0006 lb(US) (3.629 kg)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.