Product data sheet

Specifications



PowerLogic EM3500 DIN rail meter - Modbus 4 quadrant - current transformer

METSEEM3555

Product availability: Stock - Normally stocked in distribution facility

Main

Range	PowerLogic
range of product	PowerLogic EM3500
Device short name	EM3555
Product or Component Type	Energy meter
Metering type	Peak demand power PM, QM, SM Current I1, I2, I3, Iavg Active, reactive, apparent energy (signed, four quadrant) Demand power P, Q, S Voltage U21, U32, U13, V1, V2, V3

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	Partial meter Sub billing
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	Low voltage current transformer 0.333 V or 1 V
Rated voltage	90…347 V
Network frequency	60 Hz 50 Hz
Technology Type	Electronic
Display Type	Backlit LCD
Measurement current	5…32000 A
Display digits	5

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 of data	Instantaneous and demand values Lifetime energy production
Communication Service	Total cumulated active energy Total cumulated energy
Data recording	Energy consumption logs Time stamping
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
Buffer size	16-bit 10
[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	CSA C22.2 No 14-05 UL 508 IEC 61010-1
Product certifications	CE conforming to IEC 61010 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	0PL1
GTIN	3606487732709
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	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 weight(Lbs)	8.0006 lb(US) (3.629 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**12 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**11 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**0 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.9 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
SCIP Number	**7e026619-91b4-4741-a9c3-c4a1c1c83d61**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**0**
Circularity Profile	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**