Product data sheet

Specifications

PowerLogic EM3500 DIN rail meter - Modbus 4 quadrant - flexible transducer

METSEEM3555A

Main

Range	PowerLogic
range of product	PowerLogic EM3500
Device short name	EM3555A
Product or component type	Energy meter
Metering type	Demand power P, Q, S Peak demand power PM, QM, SM Voltage U21, U32, U13, V1, V2, V3 Active, reactive, apparent energy (signed, four quadrant) 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	60 Hz 50 Hz
Technology type	Electronic
Display type	Backlit LCD
Measurement current	20…5000 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 of data	Lifetime energy production Instantaneous and demand values
Communication service	Total cumulated active energy Total cumulated energy
Data recording	Energy consumption logs Time stamping
Demand intervals	Fixed or rolling block External synchronisation to communication
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	By screws Clip-on
Mounting support	DIN rail
Standards	CSA C22.2 No 14-05 IEC 61010-1 UL 508
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)
Colour	Dark grey
9 mm pitches	12
Width	4.2 in (107 mm)
Height	3.6 in (91 mm)
Depth	2.3 in (59 mm)

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	31.999 oz (907.185 g)

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

Carbon footprint (kg CO2 eq, Total Life cycle)	84

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	7e026619-91b4-4741-a9c3-c4a1c1c83d61
REACh Regulation	REACh Declaration

Use Again

Repack and remanufacture

Recyclability potential, in %	0
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