



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

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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 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)
Color	Dark grey
9 mm pitches	12
Maximum Width	4.21 in (107 mm)
Maximum Height	3.58 in (91 mm)
Maximum Depth	2.32 in (59 mm)

Ordering and shipping details

Category	09798 - POWERLOGIC EM3500 SERIES
Discount Schedule	PL1
GTIN	00785901657088
Package weight(Lbs)	2 lb(US) (0.91 kg)
Returnability	No

Offer Sustainability

EU RoHS Directive	Under investigation
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.