

METSEEM3555

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



Main

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

Complementary

Poles description	3P + N
Type of measurement	Voltage Current Frequency Power factor (total) Power factor (per phase) Apparent power (total) Apparent power (per phase) Active and reactive power (total) Active and reactive power (per phase) Peak demand power
Device application	Sub billing Partial meter
Accuracy class	Power : class 0.2S according to IEC 62053-22 Energy : class 0.2S according to IEC 62053-22 Power : class 0.2S according to ANSI C12.20 Energy : class 0.2S according to ANSI C12.20
Measurement accuracy	+/- 0.2 % power +/- 0.2 % energy
Analogue input type	Split core current transducer 0.333 V or 1 V
Rated voltage	90...347 V
Network frequency	50 Hz 60 Hz
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 of data	Instantaneous and demand values Lifetime energy production
Communication service	Total cumulated energy Total cumulated active energy
Data recording	Time stamping Energy consumption logs
Function available	Fixed or rolling block

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

External synchronisation to communication

Local signalling	Threshold reached : LED (red) Output signal : flashing LED (green)
Number of outputs	1 pulse 1 alarm output
Buffer size	16-bit 10
[Us] rated supply voltage	90...347 V AC 50/60 Hz 125...300 V DC
Power consumption in VA	
Power consumption in W	<= 3 W at 300 V
Mounting mode	By screws Clip-on
Mounting support	DIN rail
Standards	IEC 61010-1 UL 508 CSA C22.2 No 14-05
Product certifications	CE conforming to IEC 61010 CULus conforming to UL 508

Environment

relative humidity	0...95 %
ambient air temperature for operation	-30...70 °C
ambient air temperature for storage	-40...85 °C
colour	Dark grey
9 mm pitches	12
width	107 mm
height	91 mm
depth	59 mm

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will not be Compliant