



### Main

|                           |   |
|---------------------------|---|
| Range                     | PowerLogic  |
| Range of product          | PowerLogic EM3500   |
| Device short name         | EM3550A   |
| Product or component type | Energy meter  |
| Metering type             | Peak demand power PM, QM, SM<br>Demand power P, Q, S<br>Voltage U21, U32, U13, V1, V2, V3<br>Current I1, I2, I3, Iavg |

### Complementary

|                             |  |
|-----------------------------|--|
| Poles description           | 3P + N   |
| Type of measurement         | Active and reactive power total<br>Active and reactive power per phase<br>Apparent power total<br>Apparent power per phase<br>Power factor total<br>Power factor per phase<br>Peak demand power<br>Current<br>Voltage<br>Frequency |
| Device application          | Sub billing<br>Partial meter   |
| Accuracy class              | Class 0.5S power IEC 62053-22<br>Class 0.5S energy IEC 62053-22<br>Class 0.5S power ANSI C12.20<br>Class 0.5S energy ANSI C12.20   |
| Measurement accuracy        | Power +/- 0.5 %<br>Energy +/- 0.5 %  |
| Input type                  | Rogowski coil 50...5000 A  |
| Rated voltage               | 90...347 V   |
| Network frequency           | 50 Hz<br>60 Hz   |
| Technology type             | Electronic   |
| Display type                | Backlit LCD  |
| Measurement current         | 20...5000 A  |
| Display digits              | 5  |
| Information displayed       | Status and alert<br>Communication with system<br>Input/Output status<br>Error<br>Tx activity<br>Rx activity<br>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<br>Total cumulated active energy  |
| Data recording              | Energy consumption logs  |
| Demand intervals            | External synchronisation to communication<br>Fixed or rolling block  |

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.

|                                |   |
|--------------------------------|---|
| Local signalling               | Red LED threshold reached<br>Green flashing LED output signal   |
| Number of outputs              | 1 alarm output<br>1 pulse   |
| [Ue] rated operational voltage | 90...347 V AC 50/60 Hz between phase and neutral UL<br>156...600 V AC 50/60 Hz between phases UL<br>90...300 V AC 50/60 Hz between phase and neutral CE<br>125...300 V DC |
| Power consumption in VA        | 5 VA 347 V AC between phase and neutral)<br>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<br>By screws  |
| Mounting support               | DIN rail  |
| Standards                      | IEC 61010-1<br>CSA C22.2 No 14-05<br>UL 508   |
| Product certifications         | CE IEC 61010<br>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                         |
| Width                                 | 4.21 in (107 mm)           |
| Height                                | 3.58 in (91 mm)            |
| Depth                                 | 2.32 in (59 mm)            |





## Ordering and shipping details

|                       |                                  |
|-----------------------|----------------------------------|
| Category              | 09798 - POWERLOGIC EM3500 SERIES |
| Discount Schedule     | PL1                              |
| GTIN                  | 00785901906490                   |
| Nbr. of units in pkg. | 1                                |
| Package weight(Lbs)   | 1.2 lb(US) (0.54 kg)             |
| Returnability         | Yes                              |

## Packing Units

|                        |                    |
|------------------------|--------------------|
| Unit Type of Package 1 | PCE                |
| Package 1 Height       | 3.80 in (9.65 cm)  |
| Package 1 width        | 8.30 in (21.08 cm) |
| Package 1 Length       | 9.50 in (24.13 cm) |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| California proposition 65  | WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                        |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes   |
| RoHS exemption information |  Yes   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.      |