

# Product data sheet

Specifications



## PowerLogic EM3500 DIN rail meter - BACnet without logging - current transformer

METSEEM3561

Product availability: Non-Stock - Not normally stocked in distribution facility

### Main

|                           |                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Range                     | PowerLogic                                                                                                            |
| range of product          | PowerLogic EM3500                                                                                                     |
| Device short name         | EM3561                                                                                                                |
| Product or Component Type | Energy meter                                                                                                          |
| Metering type             | Peak demand power PM, QM, SM<br>Current I1, I2, I3, Iavg<br>Demand power P, Q, S<br>Voltage U21, U32, U13, V1, V2, V3 |

### 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 0.2S power IEC 62053-22<br>Class 0.2S energy IEC 62053-22<br>Class 0.2S power ANSI C12.20<br>Class 0.2S energy ANSI C12.20                                                                                                   |
| Measurement accuracy | Power +/- 0.2 %<br>Energy +/- 0.2 %                                                                                                                                                                                                |
| input type           | Low voltage current transformer 0.333 V or 1 V                                                                                                                                                                                     |
| Rated voltage        | 90...347 V                                                                                                                                                                                                                         |
| Network frequency    | 60 Hz<br>50 Hz                                                                                                                                                                                                                     |
| Technology Type      | Electronic                                                                                                                                                                                                                         |
| Display Type         | Backlit LCD                                                                                                                                                                                                                        |
| Measurement current  | 5...32000 A                                                                                                                                                                                                                        |
| Display digits       | 5                                                                                                                                                                                                                                  |

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

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

|                                |                                                                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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    | BACnet MS/TP 9600 bauds...115200 bauds (automatic detection) - 2-wire                                                                                                     |
| Communication port support     | Screw terminal block RS485                                                                                                                                                |
| Communication Service          | Total cumulated active energy<br>Total cumulated energy                                                                                                                   |
| Data recording                 | Energy consumption logs                                                                                                                                                   |
| Demand intervals               | External synchronisation to communication<br>Fixed or rolling block                                                                                                       |
| Local signalling               | Red LED threshold reached<br>Green flashing LED output signal                                                                                                             |
| number of accumulator inputs   | 2 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                      | UL 508<br>CSA C22.2 No 14-05<br>IEC 61010-1                                                                                                                               |
| Product certifications         | CE conforming to IEC 61010<br>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              | 3606486795835 |

|                   |     |
|-------------------|-----|
| Returnability     | Yes |
| Country of origin | US  |

## Packing Units

|                        |                       |
|------------------------|-----------------------|
| Unit Type of Package 1 | PCE                   |
| Nbr. of units in pkg.  | 1                     |
| 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)    |
| Package weight(Lbs)    | 19.200 oz (544.311 g) |

## 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                               | <a href="#">Product Environmental Profile</a> |

## 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                      | <a href="#">Compliant By Exemption</a>                                                                                                                                                                                                                                                      |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                                                                                                                                                                      |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Recyclability potential, in % | 0                                       |
| Circularity Profile           | <a href="#">End of Life Information</a> |
| Take-back                     | No                                      |