



Socomec Countis E4x - Summary Sheet

The E4x from Socomec is a three phase CT operated meter boasting a selection of outputs, ideal for integration into a BMS system or where access to readings remotely is required. It can measure both imported and exported energy, ideal for renewable applications and its dual tariff functionality allows use with tariffs such as Economy 7. Its backlit LCD screen displays most common electrical parameters including both Active & Reactive Energy and Power as well as Current, Voltage, Frequency & Power Factor.

For billing applications, an MID approved model is available which measures Active Energy, (kWh) to accuracy Class C (0.5%). An ethernet output is also available for convenient access to all readings remotely with no ongoing subscription cost.

Specification

| | |
|---------------------|------------------------------|
| Meter Type | Three Phase |
| Fitting Type | DIN Rail |
| Max. Current (Amps) | 5 |
| MID Approved | Yes / No * |
| Smart | No |
| Input Type | Current Transformer |
| Output Type | Pulse / Modbus / Mbus * |
| Tariffs | Dual (controlled externally) |
| Import / Export | Import & Export |
| Module Width | 4 |
| Availability | See Model Variants |

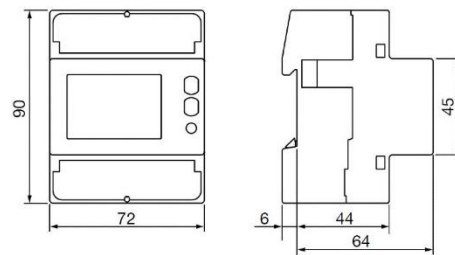
* Dependant on model selected

Model Variants

| | |
|----------|-----------------------|
| TPDSOE41 | Pulse Output |
| TPDSOE42 | Pulse Output & MID |
| TPDSOE43 | Modbus Output |
| TPDSOE44 | Modbus Output & MID |
| TPDSOE45 | Mbus Output |
| TPDSOE46 | Mbus Output & MID |
| TPDSOE47 | Ethernet Output |
| TPDSOE48 | Ethernet Output & MID |

* Available next working day

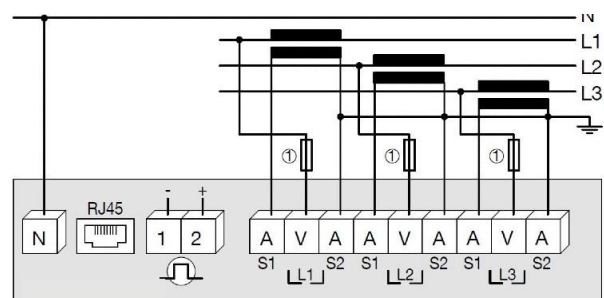
Dimensions



Measured Parameters

| | | | |
|---------------------------|---|-----------------------------------|---|
| Active Energy (kWh) | ✓ | Line Power Factor (PF) | ✓ |
| Active Power (W) | ✓ | Line Reactive Power (kVAR) | ✓ |
| Apparent Energy (kVAh) | ✓ | Line to Line Voltage (V) | ✓ |
| Apparent Power (VA) | ✓ | Line to Neutral Voltage (V) | ✓ |
| Average Current (I) | ✗ | Maximum Current (I) | ✗ |
| Average Power Demands (W) | ✗ | Maximum Power Demands (W) | ✗ |
| Average Voltage (V) | ✗ | Maximum Voltage (V) | ✗ |
| Current (I) | ✓ | Power Factor (PF) | ✓ |
| Current in Neutral (I) | ✓ | Reactive Energy (kVARh) | ✓ |
| Frequency (Hz) | ✓ | Reactive Power (VAR) | ✓ |
| Hours Run (hr) | ✗ | Total Harmonic Distortion (Amps) | ✗ |
| Line Active Power (W) | ✓ | Total Harmonic Distortion (Volts) | ✗ |
| Line Apparent Power (kVA) | ✓ | Voltage (V) | ✓ |
| Line Current (I) | ✓ | | |

Wiring Diagram



Web: www.spwales.com | Email: sales@spwales.com | Phone: 01803 295430 | Fax: 01803 212819

While Stephen P Wales Ltd has made every reasonable effort to ensure the accuracy of this information, Stephen P Wales Ltd does not guarantee that it is error-free, nor does Stephen P Wales Ltd make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. Stephen P Wales Ltd reserves the right to make any adjustments to the information contained herein at any time without notice.