

VERIS INDUSTRIES E51C2

Item No.: 494.214.M



DESCRIPTION OF FUNCTIONS

Energy meter E51C2 combines professional performance and quick installation to provide a cost-saving solution for power monitoring applications:

- Installation on standard DIN rail or surface mounted as needed
- Flexible system integration
- Ensures long term data retrieval and safeguards during power failures
- Compatible with CTs from 5 A to 32000 A
- Meets ANSI C12.20 Class 0.2 standards
- ANSI C12.20 0.2% accuracy, IEC 62053-22 Class 0.2S on E51C2

SPECIFICATIONS

Inputs

Control Power, AC: 50/60 Hz; 5 VA max.; 90 V min.; UL Maximums: 600 V_{L-L} (347 V_{L-N}); CE Maximum: 300 V_{L-N}

Control Power, DC: 3W max.; UL and CE: 125 to 300 Vdc (external DC current limiting required)

Voltage input: UL: 90 V_{L-N} to 600 V_{L-L}; CE: 90 V_{L-N} to 300 V_{L-N}

Current input

Scaling: 5 A to 32,000 A

Input range: 0 to 0.333 V or 0 to 1 V (selectable) CTs must be rated for use with Class 1 voltage inputs

Accuracy

Real Power & Energy: 0.2% (ANSI C12.20, IEC 62053-22 Class 0.2S)

Outputs

E51C2: Real Energy Pulse: N.O. static*;
Alarm contacts: N.C. static*
RS-485 2-wire Modbus RTU (1200 baud to 38.4 kbaud)

* 30 Vac/dc, 100 mA max. (AC: 50/60Hz).

INSTALLATION

Mounting:	DIN Rail mount 3-point screw mount sold separately
Altitude of operation:	3000 m
Operating temp range:	-30 ... 70 °C (-22 ... 158 °F)
Storage temp range:	-40 ... 85 °C (-40 ... 185 °F)
Humidity range:	< 95 % RH non-condensing
Mounting location:	Not suitable for wet locations. For indoor use only.
Agency approvals:	UL 508 (Open Type Device), IEC/EN 61010-1, California CSI Solar, ANSI C12.20, Cat III, Pollution Degree 2

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