

SRX835DC

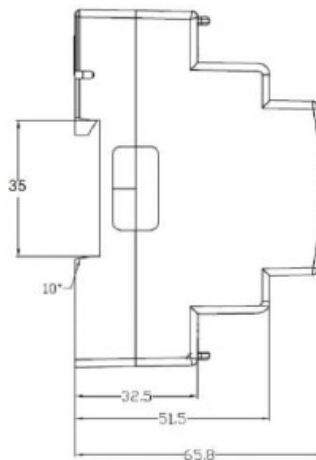
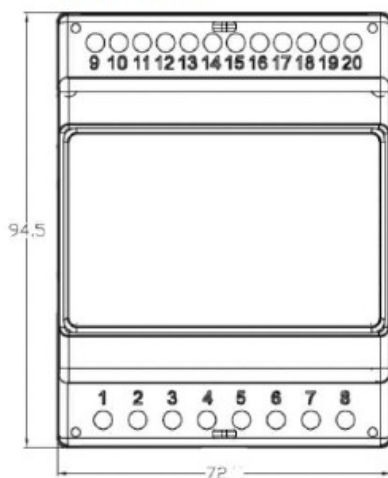
SMART RAIL MULTIFUNCTION METER DIRECT CONNECTED 100 AMP WITH RS485 & PULSED OUTPUT



- MID B+D Certified
- Certificate Number 0120/SGS0144
- Class B (kWh) EC Directive 2004/22/EC
- Certified for Single & Three Phase
- Certified for Import / Export kWh
- DIN rail Mounted 4 Module
- Blue Backlit LCD Display
- 1A or 5A CT Operated
- Built in Pulsed & RS485 Modbus™
- User friendly navigation and menu set up

The SmartRail X835 is a modern designed multifunction power meter that will measure and display all of the major and electrical power quality parameters. It is one of the first meters in the market to use touch screen buttons that are responsive and user friendly. With easy programming and user friendly navigation, The SmartRail X835 is the ideal choice for reliable energy management. This high end product caters for most requirements and future proofed by having multiple outputs in one model.

Dimensions:



Parameters:

Phase to Phase Voltage
 Phase to Neutral voltage
 Frequency
 Voltage Total Harmonic Distortion (THD)
 Current
 Neutral Current (Calculated)
 Current Max Demand
 Current Total Harmonic (THD)
 kW
 kVA
 kW Max Demand
 Power Factor
 Import kWh
 Export kWh
 Import kVAh
 Export kVAh

Specifications

Input:

Nominal Voltage Input	(Ph+N) 100 to 289V (Ph+Ph) 173 to-500V
Max Continuous Voltage	120% of nominal
Nominal Input Current	0.25-5A(6)A AC rms
Max Continuous Current	120% of nominal
Nominal Input Current Burden	0.5VA
Frequency	45-65Hz

Auxiliary:

Operating range	87...275VAC $\pm 10\%$ / 120....380VDC $\pm 20\%$
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Accuracy:

Voltage	0.5% of full range
Current	0.5% of nominal
Frequency	0.2% of mid-frequency
Power Factor	1% of unity (0.01)
Active Power (W)	$\pm 1\%$ of range maximum
Re-active Power (VAr)	$\pm 2\%$ of range maximum
Apparent Power (VA)	$\pm 1\%$ of range maximum
Active Energy (kWh)	Class B MID Directive 2004/22/EC
Reactive Energy (VARh)	$\pm 2\%$ of range maximum
Total Harmonic Distortion (THD)	1% up to 31 st Harmonic

Enclosure:

Style	DIN Rail Mounted
Dimensions	72mm Width, 100mm Height, 66mm Depth
Material	Self-Extinguishing UL94 V-0
Sealing	IP52

Output:

Pulse relay Output	Can be set to represent kWh or kVArh. Rate 1 pulse per 0.1 = 100Wh/VArh 1 = 1 kWh/kVArh 10 = 10 kWh/kVArh 100 = 100kWh/ kVArh Pulse width 200/100/60ms Relay rating 240VAC 50mA
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RS485 Modbus TMRTU

Baud rate: 2400,4800,9600,19200,38400
Parity: none/odd/even
Stop bits: 1 or 2
Network address 1...247

Environment:

Operating temperature	-20°C to +50°C
Storage temperature	-30°C to +70°C
Relative humidity	0 to 90% non-condensing

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