

DIN Rail Mounted / Three Phase/ (100A) SDM630 Wifi

Datasheet

- **Multi-measurement: kWh,W, V, A, PF, Hz, dmd,etc.**
- **LCD with backlit**
- **2 Pulse Output + WIFI communication**
- **Bi-directional Measurement**
- **Max. 100A Direct Load**
- **4 Module 72mm Width**
- **MID approved**



The SDM630 Wifi is an advanced multifunction three-phase energy monitoring solution with Wifi communication. Equipped with configuration and display buttons for ease of navigation through the various parameters and settings. Housed for DIN rail mounting, IP51 protection and direct connection up to 100A. Selectable measurement modes using our free configurations software for kWh display. An Energy app is available to view real time measurements and usage over time in graphs. Total kWh (Import + Export), Import kWh and Net kWh (Export - Import) Certified in the UK according to EU Directive 2014/32/EU. MID Certificate number 0120 / SGS0151.

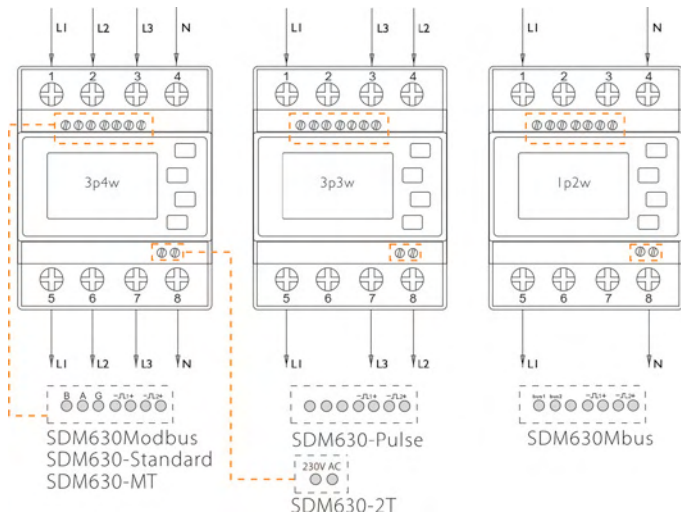
Specification table

Specification		Accuracy	
Nominal voltage(Un)	3x230/400 V ac	Voltage,Current	0-5%
Operational voltage	80%~120% of Un	Frequency	0-2% of mid-frequency
Insulation capabilities		Power factor	1% of unity (0.01)
- AC voltage withstand	4KV for 1 minute	Active power , Apparent power	±1% of range maximum
- Impulse voltage withstand	6KV-1.2μS	Reactive power	±1% of range maximum
Basic current (Ib)	10A	Reactive energy(Varh)	Class 2
Maximum rated current (Imax)	100A as per page 11	Active energy (Wh)	Class 1
Operational current range	0.4% Ib-Imax		
Over current withstand	30 Imax for 0.01s	Pulse output	
Operational frequency range	50 or 60Hz	Pulse outputs	2
Power consumption per phase	≤ 2W/10VA	Pulse output type	Passive
Display	LCD	Pulse output 1	Configurable
		Pulse width	200/100(default)/60ms
		Pulse output 2	400imp/kWh
Performance criteria		Wifi communication	
Operating humidity	≤ 90%	Wi-Fi support	2.4Ghz b/g/n
Storage humidity	≤ 95%	Wi-Fi data freq.	Every second
Operating temperature	-40°C - +70°C		
Storage temperature	-40°C - +70°C		
Reference temperature	23°C± 2°C		
International standard	IEC 62053-21 / EN50470-1/3		
Accuracy class	Class1/Class B		
Installation category	CAT III		
Mechanical environment	M1		
Electromagnetic environment	E2		
Degree of pollution	2		
Protection against penetration of dust and water	IP51 (indoor)		
Insulating encased meter of protective class	II		
Electrostatic discharges	8kV contact / 15kV air gap		
Electromagnetic HF fields	IEC 61000-4-3		
Electrical fast transients	4kV		

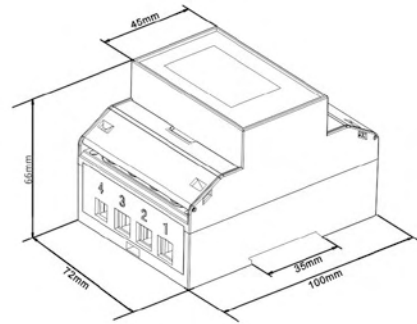
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Wiring Configuration



Dimension Drawing



Height 100mm
Width 72mm
Depth 66mm

Conformity References

Electromagnetic Compatibility: EN61326-1:2013 & EN61326-2-3:2013

Low Voltage Directive: EN61010-1-2010 & EN61010-2-30-2010

MID DIRECTIVE: 2014/32/EU