

SX5A2-SELS-04

Three-phase Smart Meter

Smart meter for commercial and industrial customers
Through the DLMS certification
Through the MID certification

Key Feature

Event notification
High level security
GPRS communication
DLMS protocol
Multi tariff rate
5 level access rights
Load profiles
Integrated switching relay
Firmware update
Quality of energy



三星电气
SANXING ELECTRIC

Technical Specifications

Voltage Ratings	Reference Voltage	3x230V/400V
	Operating Voltage Range	60%U _n - 120%U _n
	Supply Frequency	50Hz
Current Ratings	Basic Current (I _b)	5A
	Maximum Current (I _{max})	100A
	Starting Current	≤2% I _b
Accuracy	Active Class B / Reactive Class 2	
Communication Interface	GPRS/Optical port/RS485	
Temperature	Operation Range	-40°C - 70°C
	Limit Range	-40°C - 80°C
RTC Accuracy	5ppm	
Humidity	≤95%	
IP Rating	IP54	
Net Weight	1.65kg	
Service Life	15 years	
Dimensions	293 x 170 x 78mm	



Measurements

Measurement of power and energy in both directions

Multi-rate registration and TOU

Programmable tariff structure (up to 4 tariffs)

Multiple seasons, weekly programs, day types and holidays

Internal Real-time Clock

In accordance with IEC62054-21.

Daylight Saving Time

Backup battery supply at least 12 years

Optical port

Physical layer in accordance with IEC 62056-21.

Communication protocol - DLMS (IEC 62056-46).

Inputs and outputs

Relay output 230VAC, 5A

Relay outputs can be used for the management of external devices.

Integrated GPRS module

GPRS and GSM connection supported

Communication protocol is DLMS/COSEM (IEC 62056-47).

Integrated switching module

Local and remote Connection/Reconnection of switching module

Breaking current up to 120A.

Dimensions and fixing points DIN 43857

Meter case made of high quality reinforced self-extinguished polycarbonate

Window of the display UV-resistant for 15 years

IP54 protection against water and dust

Load profiles

4 load profiles

Programmable and independent registration periods

(1, 3, 5, 10, 15, 30, 60 minutes and daily profile)

Assembled main terminal block

Cages of the terminal allows to connect the wires from 2.5mm² to 35mm²

Event logs

Standard event log

Fraud detection event log

Control event log.

Quality event log

Long power event log

Communication event log

Relay and tariff event log

Fraud detection

Detection of strong magnetic field.

Detection of meter cover opening/closing.

Detection of terminal block cover opening/ closing.

Detection of wrong authorization for meter parameterization.

Detection of neutral conductor interruption.

Recording of events in the Fraud event log book.

Energy quality measurement

Maximum demand registration

Outage registration

Firmware update

Firmware update for the modem or module is allowed locally or remotely

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