DESCRIPTION

Smart Info is the e-distribuzione device implementing a metering interface module, to be connected with Third Party devices, enabling the communication with LV e-distribuzione Smart Meters via power line Band A.
In case of prosumer, Smart Info can be interfaced with both the consumption and production meter at the same time.

Data collected by Smart Info are available on two USB ports.

It is required to plug Smart Info in a home electricity 230 Vac socket. The socket should be placed near to the device and easily reachable. A multiplug (power strip) is not recommended. In case of a three-phase meter, the T phase shall be used to supply Smart Info. This is the phase that supports the communication with the meter.

Smart Info can be interfaced with all the Smart Meters manufactured and remotely managed by e-distribuzione, connected to Low Voltage Distribution Network. Applications developed by System Integrators can use communication services, offered by Smart Info device, through wired connections to the USB ports available, and by implementing the Client side part of the application protocol (defined in the specific document). The USB ports can work simultaneously in order to connect two different Client Applications (as described and detailed in another specific document).

OPERATING CONDITIONS

Parameter	Description	MIN	TYP	MAX	Unit
T stg	Storage Temperature	-25		75	°C
T env	Environmental Temperature	-15		50	°C
H env	Relative Humidity (non-condensing)	5		95	%RH

DIMENSIONS AND WEIGHT

Description	MIN	Unit
Dimensions	61(W) x 108,5 (H) x 24 (D)	mm
Weight	130	g

PROTECTIONS

Description	MIN
Protection degree	IP20
Fire grade	ULVO

POWER SUPPLY

Parameter	Description	MIN	TYP	MAX	Unit
General					
Vn	Nominal Voltage		230		Vac
fn	Nominal Frequency		50		Hz
I_L	Maximum Load			60	mA
Fuse	Protection	F1 3.15A 250V delayed : Type C Europe 2 poles plugs according to CEE 7/16 standard			
USB Type A					
Imax - USB	Max USB current			500	mA
Class	Isolation Class	II ▣			

Technical Specifications

DATA

Parameter	Description	MAX	Unit
Data Backup	Maximum Data retention without power supply	48	Hours
Storage	Data retention (@15' sampling rate)	10	Days

WARNINGS

Install Smart Info in indoor and protected from the weather. Do not allow children to use the device. Avoid contact with water.

Use Smart Info USB and mini-USB ports only for connection with well-known devices.

In emergency case, as for accidental breakage of its housing, disconnect electricity network and remove Smart Info from socket.

e-distribuzione Smart Info is intended for installation in indoor and protected from the weather.

APPROVAL

CE Ⓜ

PATENTS
102015000041587, 102015000041614, SIAE-03-03-2017/011348

REGULATIONS

Safety	EN 60950-1
	EN 61558-2-4
	EN 61558-2-16
EMC	EN 55022
	EN 55024
	IEC 61000-4-2
	IEC 61000-4-3
	IEC 61000-4-4
	IEC 61000-4-5
	IEC 61000-4-6
	IEC 61000-4-11
	IEC 61000-4-13
	IEC 61000-4-16
	IEC 61000-4-18
Environment	EN 60068-2-1
	EN 60068-2-2
	EN 60068-2-30
	EN 60068-2-6

INTERFACES

USB PORTS

Interface	Connector Type	USB Type	Notes
Mini-USB port	mini Type B connector	Slave (CDC ACM dual point)	to connect a PC or a self-powered display
USB port	Type A	Host (FTDI or CDC ACM)	(for SELV connections only)

USER INTERFACE

Interface	Type	Purpose
Status LED	Bi-color led Green/Red	Power On and Fault notification
AB LED	Bi-color led Green/Yellow	reserved to AB
End-user Button	Push button	reserved to AB

POWER SUPPLY REQUIREMENTS

Smart Info includes a power supply section. The power supply, brought to the device, must necessarily fulfil these requirements:

- No noises on PLC Band A (Band A is reserved to DSO).
- No isolation transformer installed between the Smart Meter and Smart Info.
- In case of a three-phase meter, the T phase shall be used to supply Smart Info. This is the phase that supports the PLC communication with the meter.

Serial code
Smart Info®

230V 50Hz
40mA max

USB Port

Status LED

mini-USB Port

AB LED

End-user Button