Intelligent PDUs – Superior series (IP-Sxx)

Product features

Flexibility
- solution which is adaptable to current and future needs
- high life expectancy, easily applicable in a wide range of operational environments
- compatible with all brands of 19 inch racks, connectivity with IT systems such as building management systems, network management systems and DCIM software; seamless integration in terms of HW and SW

Redundant access
- hybrid technology ensures redundancy, Ethernet and data bus connection are two ways of connectivity – a network breakdown does not affect the serial data bus and vice versa, both interfaces can be accessed simultaneously and independently

Superior data management
- PDU removes a significant part of complexity from data management
- It is possible to make Ethernet port available to the end-user and to use of the data bus reserved access for the administrator; both users can make use of the information independently in their own management systems
- support is provided for all commonly used protocols that are required for creating links to building management systems, network management systems or invoicing systems

Excellent quality
- PDUs are developed, designed and also produced in the EU according to European standards
- the use of aluminum optimizes the thermal quality of the PDU, it can be used in high temperature
- the use of bi-stable latching relays has a positive effect on thermal performance
- the quality of the measurements and accuracy of the PDU far exceed the standards that apply in this area
- the type of current measurement is always 'True RMS', i.e. the effect of interfering frequencies is included in the reading
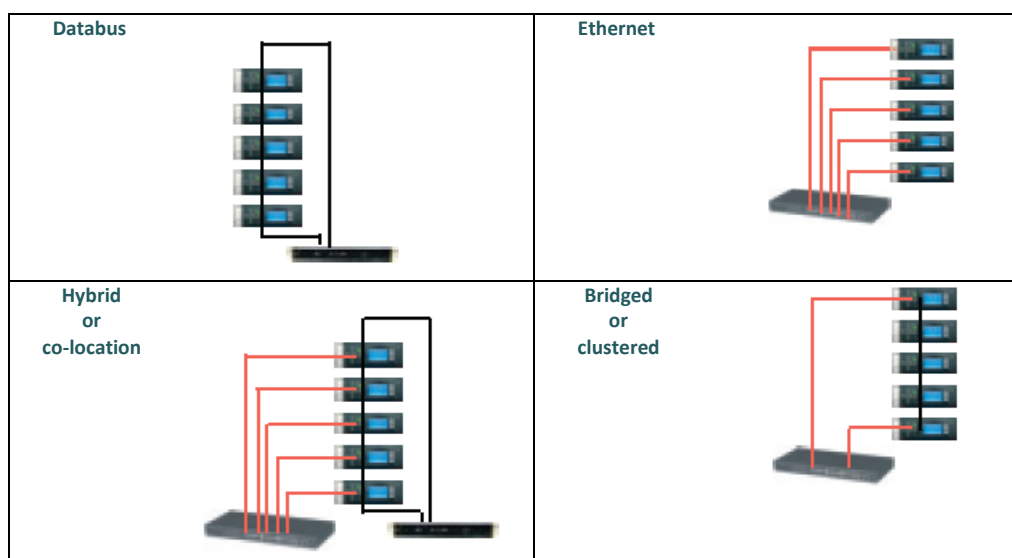
Ethernet port with web server
- the PDU is equipped with an Ethernet port in addition to the two data bus ports; A 10/100 Mb/s port with a shielded connector for connecting CAT5/CAT6 (or higher) connectors, suitable for fixed IP addresses or for DHCP; An internal web server handles data remotely via the web interface.

Sensors
- the PDU has a sensor port for connecting a digital temperature sensor or a combined sensor for temperature/humidity
- 1 dry contact sensor such as a water leakage sensor, 2 daisy chained door sensors, smoke sensor or air-flow sensor can be attached to the PDU as well

Configurations

Technical information

• Profile dimensions W x D	65 x 52.5 mm, anodized aluminum with stainless steel side plates
• Profile colors	Black / Red / Blue / Green / Orange / Yellow / White
• Power input	230/400 VAC single phase or three phases 16/32 A
• Power lead	3G2.5 / 5G2.5 / 3G6 / 5G6 Polyurethane (PUR) halogen-free, silicone-free, low-smoke, fire retardant
	Bending radius 7.5 x diameter
	Input meter 1 or 3 fixed core current transformers
	Total energy (kWh) non-resettable, user subtotal (kWh) resettable
	True RMS current (A) with peak value registration.
	Definable peak value window
	Voltage (V) with dip registration Apparent power (VA), Wattage (W), Power factor (%)
	Accuracy <1% (IEC 50470:3 Class C)
• Display	Graphical backlit LCD, 4 orientations:
	vertical, display on top / upside down
	horizontal, display at left side / at right side
• Data bus	2 x RJ45 data bus connectors RS-485
• Ethernet	RJ 45 shielded connector
	TCP/IP 10/100 Mb/s, DHCP with return to static IP, SNMP, Modbus, API
• Sensor port	Digital temperature sensor, temperature/relative humidity sensor or dry contact.
• Power consumption	Electronic components: < 3 W
• Environment	Ambient temperature: 0°C - 60°C
• Plug	Standard: CEE (industrial plug EN 60309), power cord 3m; For 16A/1ph: C20 (inlet)
• Outputs	C13, C19 (C19 with IEC-Lock, Schuko, UTE on request)
• Fusing	MCB (on request glass fuses, D2)

Monitored

IP-SEI-008C300016	19"/2U Monitored Rack kWh PDU, 3.6kW, outlets (8)C13, input C20 (1x16A), without input cord3m
IP-SEI-018C36C916	Monitored Rack kWh PDU, 0U, 3.6kW, outlets (18)C13 and (6)C19, input C20 (1x16A), without input cord
IP-SEI-318C36C932	Monitored Rack kWh PDU, 0U, 7.2kW, outlets (18)C13 and (6)C19, input plug EN 60309 (1x32A), cord 3m
IP-SEI-336C36C932	Monitored Rack kWh PDU, 0U, 7.2kW, outlets (36)C13 and (6)C19, input plug EN 60309 (1x32A), cord 3m
IP-SEI-336C36C911	Monitored Rack kWh PDU, 0U, 11kW, outlets (36)C13 and (6)C19, input plug EN 60309 (3x16A), cord 3m
IP-SEI-336C36C922	Monitored Rack kWh PDU, 0U, 22kW, outlets (36)C13 and (6)C19, input plug EN 60309 (3x32A), cord 3m

Managed

IP-SEA-008C300016	19"/2U Managed Rack kWh PDU, 3.6kW, outlets (8)C13, input C20 (1x16A), without input cord
IP-SEA-018C36C916	Managed Rack kWh PDU, 0U, 3.6kW, outlets (18)C13 and (6)C19, input C20 (1x16A), without input cord
IP-SEA-318C36C932	Managed Rack kWh PDU, 0U, 7.2kW, outlets (18)C13 and (6)C19, input plug EN 60309 (1x32A), cord 3m
IP-SEA-318C36C911	Managed Rack kWh PDU, 0U, 11kW, outlets (18)C13 and (6)C19, input plug EN 60309 (3x16A), power cord 3m
IP-SEA-318C36C922	Managed Rack kWh PDU, 0U, 22kW, outlets (18)C13 and (6)C19, input plug EN 60309 (3x32A), power cord 3m

Options

IP-S-PDU-SENSOR	Digital humidity/temperature sensor with 2.5 meter cable
RMS-MK-01	Magnetic contact, fixing bracket (universal mounting) and connection accessories included, VdS G, 2.5m
RMS-AF	Airflow Monitor sensor
IP-S-HUB	Hub for 1 dry contact sensor