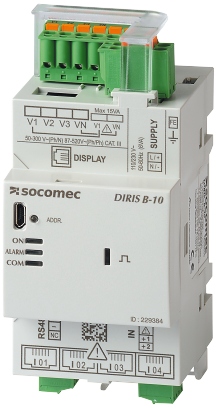
48290010

Multifunction meter DIRIS B-10 RS485 MODBUS 230VAC



The DIRIS B is a power monitoring device in a modular format that communicates via RS485. The 4 RJ12 independent current inputs of the device allow it to manage several types and number of circuits: for example 4 single-phase loads or 1 three-phase load + 1 single-phase load.
The DIRIS B is connected to current sensors (RJ12 connection) that are suitable for all types of installation: solid TE, split-core TR/iTR, and flexible TF current sensors.

Strong points

- Plug & Play
- Class 0.5 in accordance with IEC 61557-12
- Multi-circuits
- Communication

General characteristics

- 4 RJ12 inputs
- Native RS485 Modbus RTU communication
- 2 digital inputs
- Additional plug-in modules (temperature input, digital and analogue inputs/outputs, PROFIBUS DP communication, etc.)
- Optional remote DIRIS D-30 display

Compliance with standards

- IEC 61557-12
- UL 61010 Guide PICQ File E257746
- ANSI C12.20
- EN 50160

Access to resources (ex: manuals)

Technical Characteristics

Application	Metering
Communication ports	RS485
Communication protocols	Modbus RTU
Model	B-10
Type	Power Monitoring Device

Classification

UNSPSC	83101808
ETIM Class	EC002301
IGCC	6042

Commerce

Effective date	2017-06-01
Offer Life Cycle Code	40
Country of origin	FR

Environmental Sustainability

PEP Filename	SOCO-00045-V02.01-EN.pdf
Climate change - Total - Cradle to Grave [kg CO_2 eq.]	86
Climate change - Total - Cradle to Gate [kg CO_2 eq.]	14

ETIM - Electrical characteristics

Sampling frequency [Hz]	10000
Number of voltage measurement inputs	4
Number of current measurement inputs	4
Voltage type (supply voltage)	AC
Supply voltage AC 50 Hz [V]	110..230
Supply voltage AC 60 Hz [V]	110..230
Measuring range for frequency [Hz]	45..65
Number of digital inputs	2
Supporting protocol for IEC 61850 Ethernet	No
Supporting protocol for OPC UA PubSub	No
Supporting protocol for PROFIBUS	No
Supporting protocol for Modbus	Yes
Supporting protocol for PROFINET IO	No
Supporting protocol for other bus systems	No
With audit logging (audit log)	No
With firmware signature	Yes
With logging of security events (security event log)	No
With Role Based Access Control (RBAC)	No

Web server with HTTPS transfer protocol	No

ETIM - Mechanical characteristics

Width [mm]	54
Height [mm]	90
Depth [mm]	65
Degree of protection (IP), front side	IP20

ETIM - Technical features

Ampere meter	Yes
Blind power meter	Yes
With rotational speed meter	No
Frequency meter	Yes
Pulse counter	No
Voltmeter	Yes
Effective power measurement device	Yes
Display	Optional
Remote display	Yes

Logistics

GTIN/EAN	3596032985967
Customs number	9030310090
Price unit	PC
Weight of the packing unit [kg]	0.22
Length of the packing unit [m]	0.07
Width of the packing unit [m]	0.08
Depth of the packing unit [m]	0.13

Norms

Conformity to standards	IEC UL