48290105

Voltage acquisition module DIRIS Digiware U-10 Metering

The DIRIS Digiware Uac module acquires AC voltages for the entire system. It pools voltage measurements. The Digiware RJ45 Bus will transmit voltage measurements as well as power supply and communication to all connected products.

Strong points

- Secure
- Compact
- Flexible

General characteristics

- Voltage accuracy class 0.2.
- Frequency accuracy clas 0.02.
- Compatible with all supply system types.

Compliance with standards

- IEC 61557-12
- UL 61010 Guide PICQ File E257746

Link to the reference

https://emea.socomec.com/en/reference/48290105

Classification

UNSPSC	83101808
ETIM Class	EC002301
IGCC	6042

Commerce

Description	Voltage measurement module AC voltage acquisition module DIRIS Digiware U-10 for metering application 87-520 VAC, this modules measures voltage for the entire system
Effective date	2014-01-22
Offer Life Cycle Code	40
Country of origin	TN

Environmental impact

Carbon footprint - Lifecycle total [kg CO_2 eq.]	321
Carbon footprint - Manufacturing [A1-A3] [kg CO_2 eq.]	7
PEP Filename	SOCO-00090-V01.01-EN.pdf

ETIM - Electrical characteristics

Sampling frequency [Hz]	10000
Number of voltage measurement inputs	4
Voltage type (supply voltage)	DC
Supply voltage DC [V]	0..24
Measuring range for frequency [Hz]	45..65
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]	18
Height [mm]	90
Depth [mm]	65

ETIM - Technical features

Ampere meter	No
Blind power meter	Yes

With rotational speed meter	No
Frequency meter	Yes
Pulse counter	No
Voltmeter	Yes
Effective power measurement device	No
Display	None
Remote display	No

Logistics

GTIN/EAN	3596032783778
Customs number	9030337000
Price unit	PC
Weight of the packing unit [kg]	0.09
Length of the packing unit [m]	0.12
Width of the packing unit [m]	0.081
Depth of the packing unit [m]	0.034

Materials and substances

EU REACH	Does not contain SVHC
EU RoHS	Compliant

Norms

Conformity to standards	IEC UL

Technical Characteristics

Height [mm]	90
Width [mm]	18
Depth [mm]	65
Application	Metering
Model	U-10
Rated voltage	87..520 VAC (L-L)
Type	AC voltage acquisition module