![socomec logo] Innovative Power Solutions

48290105

Voltage acquisition module DIRIS Digiware U-10 Metering

The DIRIS Digiware U module measures the voltage of the electrical installation and transmits the voltage sampling to all DIRIS Digiware I or S modules via the RJ45 bus.
For multi-point metering applications, this reduces the number of voltage connections to only one central point.

Strong points
- Safe
- Compact
- A complete dedicated solution

General characteristics
Unique voltage connection point for the entire system
Includes Power Quality Analysis functions of the network voltage
Adapted to all types of network: single-phase, three-phase
No voltage on panel doors
Compact to address space constraints inside electrical panels

Compliance with standards
UL 61010 Guide PICQ File E257746
IEC 61557-12
CEC compliant

Link to the reference

Certificates and Declaration

Conformity to standard #1	UL 61010-1 Guide PICQ File E257746
Conformity to standard #2	CSA-C22.2 No. 61010-1
Conformity to standard #3	IEC 61557-12
Conformity to standard #4	ISO 14025
Proposition 65 California	WARNING This product can expose you to chemicals including bisphenol A (BPA), which is known to the State of California to cause birth defects or reproductive harm. For more information go to : www.P65Warnings.ca.gov

Environmental Sustainability

PEP Filename	SOCO-00090-V01.01-EN.pdf
Climate change - Total - Cradle to Grave [kg CO_2 eq.]	33
Climate change - Total - Cradle to Gate [kg CO_2 eq.]	7

Standards

Conformity to standards	IEC UL

Certificates and Declaration - Safety

Safety standards	IEC/EN 61010-1 UL 61010-1 CAN/CSA C22.2 No. 61010-1
UL file number	E257746

General Product Characteristics

Device type	Voltage measurement module

Technical Characteristics

Application	Metering
Model	U-10
Rated voltage	87..520 VAC (L-L)
Type	AC voltage acquisition module

Technical Characteristics - Electrical

Max voltage (Phase/neutral)	50-300 VAC (Ph/N)

Technical Characteristics - Environmental

Maximum operating altitude	6560 feet / 2000 m
Operating temperature	+14 to +158 °F / -10 to +70 °C
Storage temperature	-13 to +158 °F / -25 to +70 °C

Technical Characteristics - Measurement

Accuracy class	Class 0.2
Degree of Pollution	2
Frequency rating	45 ... 65 Hz
Full measurement range	50-300 VAC (Ph/N) - 87-520 VAC (Ph/Ph) - CAT III
General measurements	Multi-measurement: U12, U23, U31, V1, V2, V3, f
Voltage measurement type	AC

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

Product Details

Effective date	2014-01-22
Offer Life Cycle Code	40
Country of origin	FR

Classification

UNSPSC	83101808
ETIM Class	EC002301
IGCC	6042