

**48290105**

## Voltage acquisition module DIRIS Digiware U-10 Metering



The DIRIS Digiware Uac module measures voltage for the entire system. This pools together all voltage measurements. The Digiware RJ45 Bus allows you to pass voltage measurements as well as power supply and communication to all connected products.

### Strong points

- Safe
- Compact
- A complete dedicated solution

### General characteristics

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

### Compliance with standards

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

### Access to resources (ex: manuals)

### Technical Characteristics

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

### Classification

|            |          |
|------------|----------|
| UNSPSC     | 83101808 |
| ETIM Class | EC002301 |
| IGCC       | 6042     |

### Commerce

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

### Environmental Sustainability

|                                                                   |                          |
|-------------------------------------------------------------------|--------------------------|
| PEP Filename                                                      | SOCO-00090-V01.01-EN.pdf |
| Climate change - Total - Cradle to Grave [kg CO <sub>2</sub> eq.] | 33                       |
| Climate change - Total - Cradle to Gate [kg CO <sub>2</sub> eq.]  | 7                        |

### 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            |
| <b>Logistics</b>                   |               |
| 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         |
| <b>Norms</b>                       |               |
| Conformity to standards            | IEC<br/>UL    |