

48290156

Direct Current module DIRIS Digiware I-30dc, 3 DC current inputs, Metering



Strong points

- Multi-circuit
- Flexible
- Plug & Play
- Compact

General characteristics

Compact: up to 3 DC circuits per module
Quick RJ12 connection to DC current sensors
Adapted to suit metering and power quality analysis of DC circuits
Multi-circuit: quick RJ45 connection between modules allow the monitoring of a large number of circuits

Compliance with standards

UL 61010 Guide FTRZ/PICQ File E257746
IEC 61557-12
CEC compliant

Link to the reference

DIRIS Digiware Idc are DIN-rail mounted DC power monitoring modules. Associated with DIRIS Digiware Udc DC voltage measurement modules, they measure and monitor parameters such as power, energy and power quality of DC electrical circuits. With their design, they can be installed at the closest point to the circuit to measure.

The RJ12 current inputs allow a quick and error free connection to DC current sensors which are directly powered by the DIRIS Digiware Idc module (no external power supply needed).

Adding DIRIS Digiware Idc modules to the monitoring system is easily done by clicking an RJ45 cable. This allows great flexibility to users wishing to add more metering points in the future.

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	E257746
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

Standards

Conformity to standards	IEC UL
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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	DC current measurement module for DIRIS Digiware DC system
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Technical Characteristics

Application	Metering
Model	I-30DC
Number of current inputs	3
Type	Current acquisition module
MID Certification	No

Technical Characteristics - Environmental

Maximum operating altitude	6560 feet / 2000 m
Operating temperature	+14 °F ... +158 °F / -10 ... +70 °C
PEP ecopassport - ISO 14025	SOCO-00008-V01.01-EN
Relative humidity	131 °F / 55 °C / 97% relative humidity
Storage temperature	-4 °F ... +158 °F / -20 ... +70 °C

Technical Characteristics - Measurement

Accuracy class	Class 0.5 Curretn measurement
Current measurement type	DC
General measurements	KWH, Demand ProfilesDC Current, DC Power

ETIM - Electrical characteristics

Sampling frequency [Hz]	10000
Number of current measurement inputs	3
Voltage type (supply voltage)	DC
Supply voltage DC [V]	0..24
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)	Yes
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
Degree of protection (IP), front side	IP20
ETIM - Technical features	
Ampere meter	Yes
Blind power meter	Yes
With rotational speed meter	No
Frequency meter	No
Pulse counter	No
Voltmeter	No
Effective power measurement device	Yes
Remote display	No
Logistics	
GTIN/EAN	3596033002885
Customs number	9030900000
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]	0.085
Depth of the packing unit [m]	0.033
Product Details	
Effective date	2018-02-01
Offer Life Cycle Code	40
Country of origin	FR
Classification	
UNSPSC	83101808
ETIM Class	EC002301
IGCC	6042