48290161

Current acquisition module DIRIS Digiware S-135, 3 current sensors, 63 A

Strong points
- Plug & Play
- Multi-circuit
- Compact
- Accurate

General characteristics

Three current sensors are embedded to the DIRIS Digiware S power monitoring device

The most compact power meter on the market

Provide real time physical state of protective devices (ON/OFF/TRIP) with VirtualMonitor technology

Quick RJ45 connection between modules to add more metering points to the system

Class 0.5 in accordance with ANSI C12.20

Compliance with standards

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

Link to the reference

DIRIS Digiware S current measurement modules have 3 integrated current sensors for measuring, monitoring and analyzing power quality of electrical circuits up to 63 A.

Positioned directly downstream protective devices, they offer new and exclusive technologies:

VirtualMonitor which gives the real time physical state of protective devices (ON/OFF/TRIP).

AutoCorrect which detects wiring errors and corrects them to guarantee consistent readings, even when no load is connected.

Adding DIRIS Digiware S modules to the bus is done simply by clicking in an RJ45 cable. This allows great flexibility to the user who wishes to add more metering points in the future.

=-=-=-=-=-=- System =-=-=-=-=-=-

Fill rate E-Order Common	29
Fill rate E-Order Selection	60

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
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

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	Current measurement module with 3 integrated current sensors for DIRIS Digiware system

Technical Characteristics

Application	Analysis
Model	S-135
Number of current inputs	3
Type	Current acquisition module with integrated current sensors

Technical Characteristics - Environmental

Operating temperature	14 … +131 °F / - 10 … +55 °C
PEP ecopassport - ISO 14025	SOCO-00006-v01.01-fr, SOCO-00006-v01.01-en
Relative humidity	104 °F / 40 °C / 95% RH
Storage temperature	-13 … + 158 °F / -25 … +70 °C

Technical Characteristics - Measurement

Accuracy class	Class 0.5
Current measurement type	AC
Current rating range	10-63 A
Current sensor type	Solid core
General measurements	Metering: +/- kWh, +/- kvarh, kVAh Multi-tariff

	(8 max) Load curves Multi-measurement: I1, I2, I3, In, ?P, ?Q, ?S, ?PF P, Q, S, PF per phase Predictive Power Current unbalance (Inba, Idir, Iinv, Ihom, Inb) Phi, cos Phi, tan Phi"
Power Quality measurements	THD I1, I2, I3, In Individual harmonics I up to 63rd Inrush

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]	54
Height [mm]	28
Depth [mm]	42.5
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	3596033016271
Customs number	9030337000
Price unit	PC
Weight of the packing unit	0.09
Length of the packing unit	0.12
Width of the packing unit	0.08
Depth of the packing unit	0.035

Product Details

Effective date	2018-02-01
Country of origin	FR
Discount Policy	1EN20
Discount Policy Label	ELECTRONIC SENSORS

Classification

UNSPSC	83101808
ETIM Class	EC002301

IGCC	6042