

PV string monitoring module - SCK-M-I-4S-20A - 2903242

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SCK measuring module for monitoring photovoltaic systems, 4 x current measurement up to 20 A, 1 x digital input, interface to SCK communication module



Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356729697
Weight per Piece (excluding packing)	240.500 g
Custom tariff number	90303330
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	22.5 mm
Height	102 mm
Depth	128.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Maximum altitude	≤ 2000 m

Input data

Input	Current measuring input
Number of inputs	4
Input current range	0 A DC ... 20 A (UL: 0 A DC...25 A DC)

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Input data

Overload capacity	5 x I _N
Connection method	Through connection, 9.5 mm diameter

Switching output

Output name	No switching output
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Power supply

Nominal supply voltage	Via SCK-C-MODBUS
Own current consumption	43 mA (typical)
	50 mA (maximum)

Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²

General

Degree of pollution	2
Standards/regulations	EN 61010-1
Electromagnetic compatibility	Conformance with EMC directive 2004/108/EC and for low-voltage directive 2006/95/EC
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2 When being exposed to interference, there may be minimal deviations.
Conformance	CE-compliant
UL, USA	1741 Recognized
UL, USA/Canada	508 Listed
Torque	0.5 Nm ... 0.6 Nm

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC directive 2004/108/EC and for low-voltage directive 2006/95/EC
Noise emission	EN 61000-6-4
Connection in acc. with standard	UL
Standards/regulations	EN 61010-1
Conformance	CE-compliant
UL, USA	1741 Recognized
UL, USA/Canada	508 Listed

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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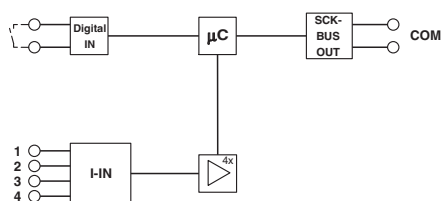
Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Block diagram



Classifications

eCl@ss

eCl@ss 5.0	27210190
eCl@ss 5.1	27210900
eCl@ss 6.0	27210100
eCl@ss 7.0	27210123
eCl@ss 8.0	27210123
eCl@ss 9.0	27210123

ETIM

ETIM 3.0	EC002475
ETIM 4.0	EC002475
ETIM 5.0	EC002475
ETIM 6.0	EC002475

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121032

Approvals

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Approvals

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UL Recognized / UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 325209
UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
EAC			RU C- DE.A*30.B.01082
cULus Listed			
