

## PV string monitoring module - SCK-M-I-8S-20A - 2903241

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SCK measuring module for monitoring photovoltaic systems, 8 x current measurement up to 20 A, 1 x digital input, interface to SCK communication module, interface to voltage measuring module



### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356729703
Weight per Piece (excluding packing)	320.000 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

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## Technical data

### Input data

Input	Current measuring input
Number of inputs	8
Input current range	0 A DC ... 20 A (UL: 0 A DC...25 A DC)
Overload capacity	5 x I <sub>N</sub>
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 <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>

### 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

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## Technical data

### Standards and Regulations

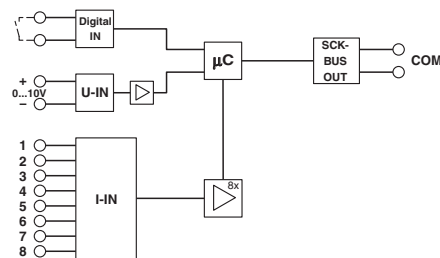
Standards/regulations	EN 61010-1
Conformance	CE-compliant
UL, USA	1741 Recognized
UL, USA/Canada	508 Listed

### 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	27210190
eCl@ss 6.0	27210190
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

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

### Approval details

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