

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 pc
GTIN	 4 046356 729703
GTIN	4046356729703

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
Permissible humidity (operation)	≤ 95 % (non-condensing)
Degree of protection	IP20
Noise immunity	EN 61000-6-2 When being exposed to interference, there may be minimal deviations.

Input data

Input	Current measuring input
Number of inputs	8

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Technical data

Input data

Input current range	0 A DC ... 20 A (UL: 0 A DC...25 A DC)
Overload capacity	5 × 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	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12
Torque	0.5 Nm ... 0.6 Nm

General

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

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
Pollution degree	2
Conformance	CE-compliant
UL, USA	1741 Recognized
UL, USA/Canada	508 Listed

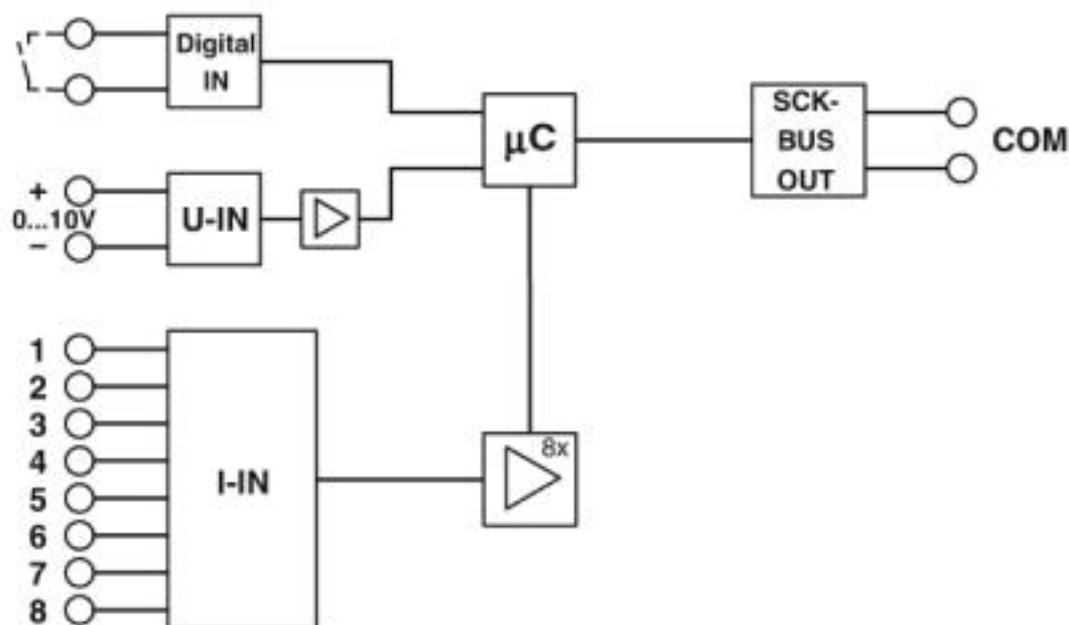
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Drawings

Block diagram



Classifications

eCl@ss

eCl@ss 4.0	27210900
eCl@ss 4.1	27210900
eCl@ss 5.0	27210900
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
ETIM 7.0	EC002475

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008

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Classifications

UNSPSC

UNSPSC 12.01	39121008
UNSPSC 13.2	39121032
UNSPSC 18.0	39121032
UNSPSC 19.0	39121032
UNSPSC 20.0	39121032
UNSPSC 21.0	39121032

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 325209
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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EAC		RU*DE.*08.B.01536/19
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cULus Listed	
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