

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
Weight per Piece (excluding packing)	320.0 GRM
Custom tariff number	90303310
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
Degree of protection	IP20

Input data

Input	Current measuring input
Number of inputs	8

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

Technical data

Input data

Input current range	0 A DC ... 20 A DC (UL: 0 A DC...25 A DC)
Overload capacity	5 x I _N
Connection method	Through connection, 9.5 mm diameter

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/kcmil min.	24
Conductor cross section AWG/kcmil max.	12
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²

General

Pollution degree	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

Classifications

eCl@ss

eCl@ss 4.0	27210902
eCl@ss 4.1	27200303
eCl@ss 5.0	27200303
eCl@ss 5.1	27210902
eCl@ss 6.0	27210902

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

Classifications

eCl@ss

eCl@ss 7.0	27210902
eCl@ss 8.0	27210902

ETIM

ETIM 3.0	EC001505
ETIM 4.0	EC002498
ETIM 5.0	EC002498

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Recognized 

UL Listed 

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

Approvals

cUL Listed

cULus Listed

Drawings

Block diagram

