

PV string monitoring module - SCK-M-U-1500V - 2903591


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SCK measuring module for monitoring photovoltaic systems, 1 x voltage measurement up to 1500 V DC, 1 x analog output (2 ... 10 V)



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 752398
GTIN	4046356752398

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.

Output data

Output name	Analog output
Voltage output signal	2 V DC ... 10 V DC

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Power supply

Nominal supply voltage	24 V DC -10 % ... +25 % (or via SSCK-M-I-8S-20A)
Supply voltage range	21.6 V DC ... 30 V DC
Own current consumption	8 mA (typical)
	65 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
Tightening torque	0.5 Nm ... 0.6 Nm

General

Protective circuit	Surge protection 33 V suppressor diode
Electromagnetic compatibility	Conformance with EMC directive
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2 When being exposed to interference, there may be minimal deviations.

Standards and Regulations

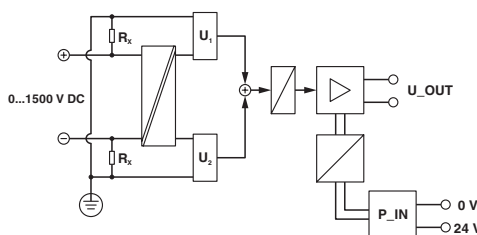
Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive
Noise emission	EN 61000-6-4
Standards/regulations	EN 61010-1
Pollution degree	2

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Drawings

Block diagram



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Classifications

eCl@ss

eCl@ss 10.0.1	27210125
eCl@ss 11.0	27210125
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	27210125
eCl@ss 9.0	27210125

ETIM

ETIM 3.0	EC001505
ETIM 4.0	EC002498
ETIM 6.0	EC002477
ETIM 7.0	EC002477

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008
UNSPSC 18.0	39121008
UNSPSC 19.0	39121008
UNSPSC 20.0	39121008
UNSPSC 21.0	39121000

Approvals

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

Ex Approvals

Approval details

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Approvals

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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