

# SCK-C-MODBUS - PV string monitoring module



2901674

<https://www.phoenixcontact.com/us/products/2901674>

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SCK communication module for acquiring up to 8 x SCK measuring modules, RS-485 Modbus/RTU output

## Your advantages

- Digital input for monitoring the remote indication contacts of surge protection modules
- Internal temperature monitoring of measuring module
- Measuring modules supplied via the communication module

## Commercial Data

Item number	2901674
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C447
Product Key	CK4D13
Catalog Page	Page 242 (C-5-2019)
GTIN	4046356623919
Weight per Piece (including packing)	200 g
Weight per Piece (excluding packing)	162 g
Customs tariff number	85176200
Country of origin	DE

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## Technical Data

### Product properties

Product type	Gateways/Proxies
Product family	SOLARCHECK

### Insulation characteristics

Pollution degree	2
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### Electrical properties

Maximum power dissipation for nominal condition	0.65 W
Protective circuit	Surge protection; 33 V suppressor diode

### Supply

Nominal supply voltage	24 V DC -10 % ... +25 %
Supply voltage range	21.6 V DC ... 30 V DC
Max. current consumption	800 mA
Own current consumption	22 mA (typical) 45 mA (maximum)
Power consumption	580 mW (24 V DC)

### Connection data

Connection method	Screw connection
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm

### Interfaces

#### Data: Modbus/RTU

Serial transmission speed	9.6/14.4/19.2/38.4 kbps
Connection method	Screw terminal block
Connection technology	2-, 3-conductor
Transmission length	≤ 1200 m
Termination resistor	180 Ω (Not included in the scope of supply)
Protocols supported	Modbus/RTU

#### Data: Data interface for measuring or supplementary module

Protocols supported	Proprietary
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### Dimensions

Width	22.5 mm
Height	102 mm
Depth	106 mm

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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	≤ 95 % (non-condensing)

## Approval data

### CE

Certificate	CE-compliant
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### UL, USA

Identification	1741 Recognized
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### UL, USA/Canada

Identification	508 Listed
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## EMC data

Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2
Note	When being exposed to interference, there may be minimal deviations.

## Standards and regulations

Standards/regulations	EN 61010-1
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## Mounting

Mounting type	DIN rail: 35 mm
	DIN rail mounting
Assembly instructions	Horizontal or vertical
Mounting position	any

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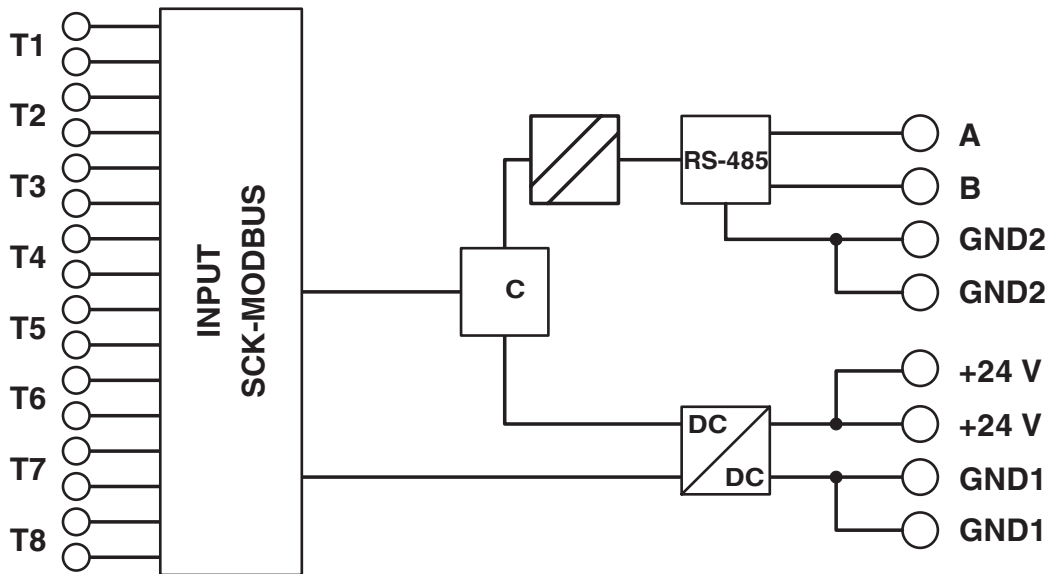


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## Drawings

Block diagram



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## Approvals



**UL Recognized**

Approval ID: FILE E 325209



**EAC**

Approval ID: RU\*DE.\*08.B.01536/19



**UL Listed**

Approval ID: FILE E 140324



**cUL Listed**

Approval ID: FILE E 140324

**cULus Listed**

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## Classifications

### ECLASS

ECLASS-9.0	27242608
ECLASS-10.0.1	27242608
ECLASS-11.0	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608

### ETIM

ETIM 8.0	EC001604
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### UNSPSC

UNSPSC 21.0	32151600
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## 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"

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