

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 STK |
| GTIN |  4 046356 752398 |
| GTIN | 4046356752398 |
| Weight per Piece (excluding packing) | 180.000 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 |
|-------------------------|---|

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 |

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Technical data

Output data

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

Power supply

| | |
|-------------------------|---|
| Nominal supply voltage | 24 V DC -10 % ... +25 % (or via SCK-M-I-8S-20A) |
| Own current consumption | 8 mA (typical) |
| | 65 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 min. | 24 |
| Conductor cross section AWG max. | 12 |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |

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

Environmental Product Compliance

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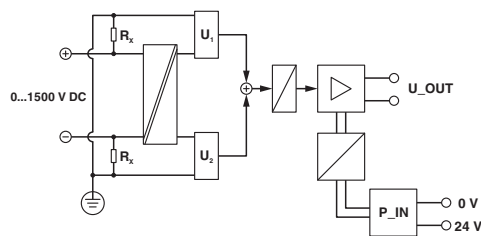
Technical data

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 4.0 | 27210902 |
| eCl@ss 4.1 | 27200303 |
| eCl@ss 5.0 | 27200303 |
| eCl@ss 5.1 | 27210902 |
| eCl@ss 6.0 | 27210902 |
| eCl@ss 7.0 | 27210902 |
| eCl@ss 8.0 | 27210125 |
| eCl@ss 9.0 | 27210125 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001505 |
| ETIM 4.0 | EC002498 |
| ETIM 5.0 | EC002477 |
| ETIM 6.0 | EC002477 |

UNSPSC

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

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Approvals





Approvals

Approvals

UL Recognized / UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

| | | | |
|---------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 325209 |
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
| cULus Listed |  | | |
