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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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PV string monitoring module - SCK-M-I-4S-20A - 2903242

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SCK measuring module for monitoring photovoltaic systems, 4 x current measurement up to 20 A, 1 x digital input, interface to SCK communication module



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4046356729697 |

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 |

Input data

| | |
|---------------------|--|
| Input | Current measuring input |
| Number of inputs | 4 |
| Input current range | 0 A DC ... 20 A (UL: 0 A DC...25 A DC) |
| Overload capacity | 5 x I _N |

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Technical data

Input data

| | |
|-------------------|-------------------------------------|
| Connection method | Through connection, 9.5 mm diameter |
|-------------------|-------------------------------------|

Switching output

| | |
|-------------|---------------------|
| Output name | No switching output |
|-------------|---------------------|

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 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

| | |
|------------|--|
| China RoHS | Environmentally Friendly Use Period = 50 |
|------------|--|

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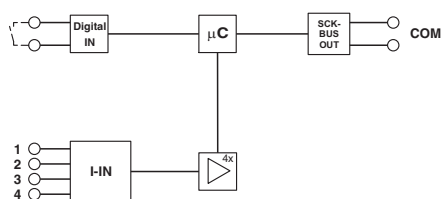
Technical data

Environmental Product Compliance

| | |
|--|---|
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|---|

Drawings

Block diagram



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 | | | |
|--------------|--|--|--|

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