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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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PV string monitoring module - SCK-M-8S-20A - 2901672

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SCK measuring module for monitoring photovoltaic systems, 8 x current measurement of up to 20 A, 1 x voltage measurement of up to 1200 V DC, 1 x digital input, interface to SCK communication module

Product Features

- 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



Key commercial data

| Packing unit | 1 PCE |
|--------------------------------------|------------|
| Weight per Piece (excluding packing) | 444.44 GRM |
| Custom tariff number | 90303310 |
| Country of origin | Germany |

Technical data

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

| Number of inputs | 8 |
|------------------|---|



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Technical data

Input data

| Input current range | 0 A 20 A |
|---------------------|--|
| Overload capacity | Depending on through connected conductor |
| Connection method | Through connection, 10 mm diameter |

Switching output

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

Power supply

| Supply voltage range | (Via SCK-C-MODBUS communication module) |
|----------------------|---|

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

General

| Maximum transmission error | < 1 % (of final value) |
|-------------------------------|---|
| Test voltage | 5.8 kV AC ((50 Hz/ 1 min)) |
| Pollution degree | 2 |
| Rated insulation voltage | 1200 V DC (Voltage input/ output) |
| Standards/regulations | EN 61010-1 |
| Electromagnetic compatibility | Conformance with EMC directive 2004/108/EC and for low-voltage directive 2006/95/EC |
| Mounting position | any |
| Assembly instructions | Horizontal or vertical |
| Torque | 0.5 Nm 0.6 Nm |

Classifications

eCl@ss

| eCl@ss 4.0 | 27210902 |
|------------|----------|
| eCl@ss 4.1 | 27371105 |
| eCl@ss 5.0 | 27371801 |
| eCl@ss 5.1 | 27210902 |
| eCl@ss 6.0 | 27210902 |
| eCl@ss 7.0 | 27210902 |



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eCl@ss

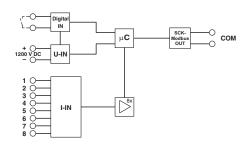
| eCl@ss 8.0 | 27210902 |
|------------|----------|
| ETIM | |
| ETIM 3.0 | EC001505 |
| ETIM 4.0 | EC002498 |
| | |
| ETIM 5.0 | EC002498 |

UNSPSC

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

Drawings

Block diagram



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