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Especialistas en Automatización

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## PV string monitoring module - SCK-C-MODBUS - 2901674

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

### Why buy this product

- 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 STK               |
| GTIN         | <br>4 046356 623919 |

### 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  | 106 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             |

#### Switching output

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

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## Technical data

### Power supply

|                          |                         |
|--------------------------|-------------------------|
| Nominal supply voltage   | 24 V DC -10 % ... +25 % |
| 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 min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.    | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 12                  |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |

### 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.   |
| Mounting position             | any   |
| Assembly instructions         | Horizontal or vertical  |
| 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  |

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## 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 |
| eCl@ss 8.0 | 27210123 |
| eCl@ss 9.0 | 27210123 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001505 |
| ETIM 4.0 | EC001423 |
| ETIM 5.0 | EC002475 |

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

UL Recognized / UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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Approvals submitted

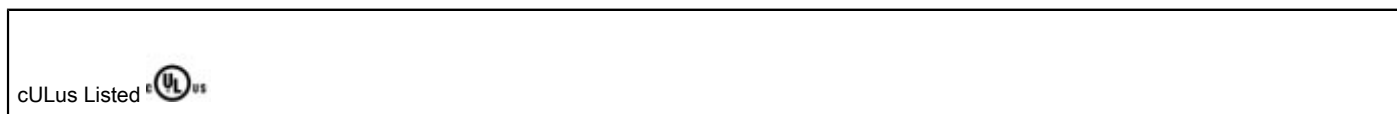
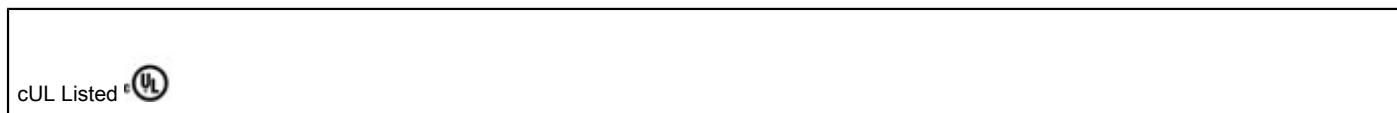
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### Approval details

|               |
|---------------|
| UL Recognized |
|---------------|

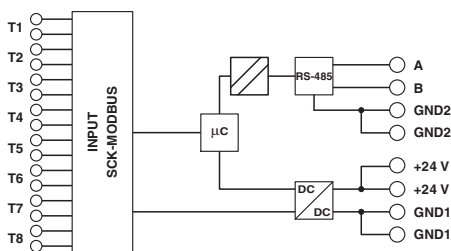
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## Approvals



## Drawings

Block diagram



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| <b>Product</b>   | <b>Code</b> | <b>Reference</b> | <b>Product link</b>        |
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