



SITOP PSE202U/Redundancy M./DC24V/10A

SITOP PSE202U 10A Redundancy module Input/output: 24 V DC suitable for decoupling two SITOP power supplies with maximal per 5 A output current

| input | |
|---|--|
| type of the power supply network | DC voltage |
| supply voltage at DC | 24 ... 24 V |
| input voltage at DC | 19 ... 29 V |
| output | |
| voltage curve at output | Controlled, isolated DC voltage |
| output voltage at DC rated value | 24 V |
| formula for output voltage | $V_{in} - \text{approx. } 0.5 \text{ V}$ |
| output voltage | |
| <ul style="list-style-type: none"> at output 1 at DC rated value | 24 V |
| output voltage adjustable | No |
| display version for normal operation | Green LED for "both Input voltages > switching threshold"; red LED: for "at least one input voltage < switching threshold" |
| type of signal at output | Isolated relay contact (contact rating 6 A/42 V AC, 30 V DC): Contact closed if both input voltages > switching threshold, setting range of switching threshold 20 V \pm 0.5V to 25 V \pm 0.5V |
| output current | |
| <ul style="list-style-type: none"> rated value rated range | 10 A 10 A; max. aggregate current 10 A |
| efficiency | |
| efficiency in percent | 97.1 % |
| power loss [W] | |
| <ul style="list-style-type: none"> at rated output voltage for rated value of the output current typical during no-load operation maximum | 3.6 W 1 W |
| safety | |
| galvanic isolation | yes, SELV acc. to EN 60950-1 (relay contact) |
| operating resource protection class | Class III |
| protection class IP | IP20 |
| standard | |
| <ul style="list-style-type: none"> for emitted interference for interference immunity | EN 55022 Class B EN 61000-6-2 |
| standards, specifications, approvals | |
| certificate of suitability | |
| <ul style="list-style-type: none"> CE marking UL approval CSA approval EAC approval NEC Class 2 | Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 Yes No |
| type of certification | |
| <ul style="list-style-type: none"> CB-certificate | No |

| | |
|--|--|
| MTBF at 40 °C | 3 273 000 h |
| standards, specifications, approvals hazardous environments | |
| certificate of suitability | |
| • IECEx | No |
| • ATEX | No |
| • ULhazloc approval | No |
| • cCSAus, Class 1, Division 2 | No |
| • FM registration | No |
| standards, specifications, approvals marine classification | |
| shipbuilding approval | No |
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | No |
| • French marine classification society (BV) | No |
| • Det Norske Veritas (DNV) | No |
| • Lloyds Register of Shipping (LRS) | No |
| ambient conditions | |
| ambient temperature | |
| • during operation | -20 ... +70 °C; with natural convection |
| • during transport | -40 ... +85 °C |
| • during storage | -40 ... +85 °C |
| environmental category according to IEC 60721 | Climate class 3K3, 5 ... 95% no condensation |
| connection method | |
| type of electrical connection | screw terminal |
| • at input | Input, output and ground: removable screw terminal, each 1 x 0.5 ... 2.5 mm ² single-core/finely stranded |
| • for auxiliary contacts | Relay contact: 2 screw terminals for 0.5 ... 2.5 mm ² single-core/finely stranded |
| mechanical data | |
| width × height × depth of the enclosure | 30 × 100 |
| installation width × mounting height | 30 mm |
| required spacing | |
| • top | 50 mm |
| • bottom | 50 mm |
| • left | 0 mm |
| • right | 0 mm |
| fastening method | Snaps onto DIN rail EN 60715 35x7.5/15 |
| • standard rail mounting | Yes |
| • S7 rail mounting | No |
| • wall mounting | No |
| housing can be lined up | Yes |
| net weight | 0.125 kg |
| accessories | |
| electrical accessories | Removable spring-type terminal 6EP1971-5BA00 |
| further information internet links | |
| internet link | |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to web page: selection aid TIA Selection Tool | https://siemens.com/tst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: CAx-Download-Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |
| additional information | |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |
| security information | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial |

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Classifications

| | Version | Classification |
|--------|---------|----------------|
| eClass | 14 | 27-04-07-01 |
| eClass | 12 | 27-04-07-01 |
| eClass | 9.1 | 27-04-07-01 |
| eClass | 9 | 27-04-07-01 |
| eClass | 8 | 27-04-90-02 |
| eClass | 7.1 | 27-04-90-02 |
| eClass | 6 | 27-04-90-02 |
| ETIM | 9 | EC002540 |
| ETIM | 8 | EC002540 |
| ETIM | 7 | EC002540 |
| IDEA | 4 | 4130 |
| UNSPSC | 15 | 39-12-10-04 |

Approvals Certificates

General Product Approval

[Manufacturer Declaration](#)

[Declaration of Conformity](#)



last modified:

5/22/2024