

Siemens
EcoTech



SITOP PSE200U/4X0.5-3A/CSC

SITOP PSE200U 3 A selectivity module 4-channel input: 24 V DC/12 A output: 24 V DC/4x 3 A threshold value adjustable 0.5-3 A with common signaling contact



Figure similar

Technical Product Detail Page

<https://i.siemens.com/1P6EP1961-2BA11>

input

| | |
|---|-----------------------|
| type of the power supply network | Controlled DC voltage |
| supply voltage at DC rated value | 24 V |
| input voltage at DC | 22 ... 30 V |
| overvoltage overload capability | 35 V |
| input current at rated input voltage 24 V rated value | 12 A |

output

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|---|---|
| voltage curve at output | controlled DC voltage |
| formula for output voltage | $V_{in} - \text{approx. } 0.2 \text{ V}$ |
| relative overall tolerance of the voltage note | In accordance with the supplying input voltage |
| number of outputs | 4 |
| output current up to 60 °C per output rated value | 3 A |
| adjustable current response value current of the current-dependent overload release | 0.5 ... 3 A |
| type of response value setting | via potentiometer |
| response delay maximum | 5 s |
| product feature parallel switching of outputs | No |
| type of outputs connection | Simultaneous connection of all outputs after power up of the supply voltage > 20 V, delay time of 25 ms, 100 ms or adjustable "load optimised" via DIP switch for sequential connection |

efficiency

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| efficiency in percent | 97 % |
| power loss [W] at rated output voltage for rated value of the output current typical | 9 W |

switch-off characteristic

| | |
|--|---|
| switching characteristic | <ul style="list-style-type: none"> • of the excess current $I_{out} = 1.0 \dots 1.5 \times \text{set value}$, switch-off after approx. 5 s • of the current limitation $I_{out} = 1.5 \times \text{set value}$, switch-off after typ. 100 ms • of the immediate switch-off $I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$, switch-off after approx. 0.5 ms |
| residual current at switch-off typical | 1 mA |
| design of the reset device/resetting mechanism | via sensor per output |
| remote reset function | Non-electrically isolated 24 V input (signal level "high" at > 15 V) |

protection and monitoring

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|--------------------------------------|---|
| fuse protection type at input | 5 A per output (not accessible) |
| display version for normal operation | Three-color LED per output: green LED for "Output switched through"; yellow |

| | |
|--|--|
| | LED for "Output switched off manually"; red LED for "Output switched off due to overcurrent" |
| design of the switching contact for signaling function | Common signal contact (changeover contact, rating 0.1 A/24 V DC) |
| safety | |
| galvanic isolation between input and output at switch-off | No |
| standard for safety | according to EN 62368-1 |
| 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 UKCA marking EAC approval | Yes Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 Yes Yes |
| type of certification | |
| <ul style="list-style-type: none"> CB-certificate | Yes |
| MTBF at 40 °C | 755 915 h |
| standards, specifications, approvals hazardous environments | |
| certificate of suitability | |
| <ul style="list-style-type: none"> IECEX ATEX | No No |
| standards, specifications, approvals marine classification | |
| shipbuilding approval | Yes |
| Marine classification association | |
| <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) Det Norske Veritas (DNV) | Yes Yes |
| standards, specifications, approvals Environmental Product Declaration | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| <ul style="list-style-type: none"> total during manufacturing during operation after end of life | 290.7 kg 8.8 kg 281.7 kg 0.2 kg |
| Siemens Eco Profile (SEP) | Siemens EcoTech |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> during operation during transport during storage | -25 ... +60 °C; with natural convection -40 ... +85 °C -40 ... +85 °C |
| environmental category according to IEC 60721 | Climate class 3K3, 5 ... 95% no condensation |
| connection method | |
| type of electrical connection | screw terminal |
| <ul style="list-style-type: none"> at input at output for auxiliary contacts for signaling contact | +24 V: 2 screw terminals for 0.5 ... 16 mm ² ; 0 V: 2 screw terminals for 0.5 ... 4 mm ² Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm ² Remote reset: 1 screw terminal for 0.5 ... 4 mm ² 3 screw terminals for 0.5 ... 4 mm ² |
| mechanical data | |
| width × height × depth of the enclosure | 72 × 80 × 72 mm |
| installation width × mounting height | 72 mm × 180 mm |
| required spacing | |
| <ul style="list-style-type: none"> top bottom left right | 50 mm 50 mm 0 mm 0 mm |

| | |
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| fastening method | Snaps onto DIN rail EN 60715 35x7.5/15 |
| <ul style="list-style-type: none"> • DIN-rail mounting • S7 rail mounting • wall mounting | Yes No No |
| housing can be lined up | Yes |
| net weight | 0.2 kg |

accessories

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|------------------------|---|
| mechanical accessories | Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20 |
|------------------------|---|

further information internet links

| | |
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| internet link | |
| <ul style="list-style-type: none"> • to website: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: CAx-Download-Manager • to website: Industry Online Support | https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/sitop https://siemens.com/cax https://support.industry.siemens.com |

additional information

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|-------------------|---|
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |
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security information

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|----------------------|---|
| security information | <p>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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p> |
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Classifications

| | Version | Classification |
|--------|---------|----------------|
| eClass | 14 | 27-37-18-02 |
| eClass | 12 | 27-37-18-02 |
| eClass | 9.1 | 27-37-18-02 |
| eClass | 9 | 27-37-18-02 |
| eClass | 8 | 27-37-18-02 |
| eClass | 7.1 | 27-37-18-02 |
| eClass | 6 | 27-37-18-02 |
| ETIM | 10 | EC001440 |
| ETIM | 9 | EC001440 |
| ETIM | 8 | EC001440 |
| ETIM | 7 | EC001440 |
| IDEA | 4 | 4727 |
| UNSPSC | 15 | 39-12-15-21 |

Approvals Certificates

General Product Approval



[Manufacturer Declaration](#)



EG-Konf.



[Declaration of Conformity](#)

[China RoHS](#)



[Miscellaneous](#)



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