

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

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

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

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	
• 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

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 60950-1 and EN 50178
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 • EAC approval 	Yes Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 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 18.6 kg 250.4 kg 0.3 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; with natural convection -40 ... +85 -40 ... +85
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
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> • standard rail mounting • S7 rail mounting • wall mounting 	Yes No No
housing can be lined up	Yes
net weight	0.2 kg

accessories	
mechanical accessories	Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20
further information internet links	
internet link	
<ul style="list-style-type: none"> to website: Industry Mall to web page: selection aid TIA Selection Tool to website: CAx-Download-Manager to website: Industry Online Support 	https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/cax 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	<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>

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	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](#)

General Product Approval	Marine / Shipping	Environment

[Miscellaneous](#)

Environment

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