

**Siemens**  
EcoTech



SITOP PSE200U/4X0.5-3A/CSC/NECCLASS2

SITOP PSE200U 3 A NEC CLASS 2 selectivity module 4-channel input: 24 V DC/12 A output: 24 V/4x 3 A NEC class 2 threshold value adjustable 0.5-3 A with common signaling contact



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	<ul style="list-style-type: none"> <li>• of the excess current</li> <li>• of the current limitation</li> <li>• of the immediate switch-off</li> </ul>
	$I_{out} = 1.0 \dots 1.1 \times \text{set value}$ , switch-off after approx. 5 s $I_{out} = 1.1 \times \text{set value}$ , switch-off after typ. 100 ms $I_{out} > \text{set value}$ 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 62368-1
operating resource protection class	Class III
protection class IP	IP20
standard	
• for emitted interference	EN 55022 Class B
• for interference immunity	EN 61000-6-2
<b>standards, specifications, approvals</b>	
certificate of suitability	
• CE marking	Yes
• UL approval	Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259
• EAC approval	Yes
• NEC Class 2	Yes; according to UL1310
type of certification	
• CB-certificate	Yes
MTBF at 40 °C	755 915 h
<b>standards, specifications, approvals hazardous environments</b>	
certificate of suitability	
• IECEx	No
• ATEX	No
<b>standards, specifications, approvals marine classification</b>	
shipbuilding approval	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Det Norske Veritas (DNV)	Yes
<b>standards, specifications, approvals Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO <sub>2</sub> eq]	
• total	290.7 kg
• during manufacturing	20.9 kg
• during operation	469.4 kg
• after end of life	0.33 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
<b>ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +60; with natural convection
• during transport	-40 ... +85
• during storage	-40 ... +85
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
<b>connection method</b>	
type of electrical connection	screw terminal
• at input	+24 V: 2 screw terminals for 0.5 ... 16 mm <sup>2</sup> ; 0 V: 2 screw terminals for 0.5 ... 4 mm <sup>2</sup>
• at output	Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm <sup>2</sup>
• for auxiliary contacts	Remote reset: 1 screw terminal for 0.5 ... 4 mm <sup>2</sup>
• for signaling contact	3 screw terminals for 0.5 ... 4 mm <sup>2</sup>
<b>mechanical data</b>	
width x height x depth of the enclosure	72 x 80 x 72 mm
installation width x mounting height	72 mm x 180 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
• DIN-rail mounting	Yes
• S7 rail mounting	No
• wall mounting	No
housing can be lined up	Yes
net weight	0.2 kg

<b>accessories</b>	mechanical accessories	Device identification label 20 mm x 7 mm, TI-grey 3RT2900-1SB20
<b>further information internet links</b>		
internet link	<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: power supplies</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://siemens.com/sitop">https://siemens.com/sitop</a> <a href="https://siemens.com/cax">https://siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>additional information</b>		
other information		Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

<b>Classifications</b>			
		<b>Version</b>	<b>Classification</b>
	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

<b>Approvals Certificates</b>	
<b>General Product Approval</b>	



[Manufacturer Declaration](#)



[Declaration of Conformity](#)



**General Product Approval**

**Marine / Shipping**

**Environment**



[Miscellaneous](#)



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