

Siemens
EcoTech



SITOP PSE200U/4X0.5-3A/CSC/NECCCLASS2

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"> • of the excess current $I_{out} = 1.0 \dots 1.1 \times \text{set value}$, switch-off after approx. 5 s • of the current limitation $I_{out} = 1.1 \times \text{set value}$, 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 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 	Yes Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259
<ul style="list-style-type: none"> • EAC approval • NEC Class 2 	Yes Yes; according to UL1310
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 20.9 kg 469.4 kg 0.33 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"> • DIN-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, T1-grey 3RT2900-1SB20

further information internet links

internet link

- to website: Industry Mall <https://mall.industry.siemens.com>
- to web page: selection aid TIA Selection Tool <https://www.siemens.com/tstcloud>
- to web page: power supplies <https://siemens.com/sitop>
- to website: CAx-Download-Manager <https://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

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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	9	EC001440
ETIM	8	EC001440
ETIM	7	EC001440
IDEA	4	4727
UNSPSC	15	39-12-15-21

Approvals Certificates

General Product Approval



CB

[Manufacturer Declaration](#)



EG-Konf.



[Declaration of Conformity](#)



UR

General Product Approval Marine / Shipping Environment



UL

[Miscellaneous](#)



ABS



DNV



EPD



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