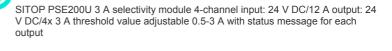
SIEMENS

Data sheet 6EP1961-2BA31



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

Siemens EcoTech





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	Vin - approx. 0.2 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 	lout = 1.01.5 x set value, switch-off after approx. 5 s			
of the current limitation	lout = 1.5 x set value, switch-off after typ. 100 ms			
of the immediate switch-off	lout > set value and Vin < 20 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	Status signal output (pulse/pause signal, can be evaluated via Simatic function block)			

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		
• for emitted interference	EN 55022 Class B	
• for interference immunity	EN 61000-6-2	
standards, specifications, approvals		
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	
type of certification	V	
CB-certificate	Yes	
MTBF at 40 °C	755 915 h	
standards, specifications, approvals hazardous environments		
certificate of suitability	No	
IECEX ATEX	No No	
	No	
standards, specifications, approvals marine classification	Voc	
shipbuilding approval	Yes	
Marine classification association • American Bureau of Shipping Europe Ltd. (ABS)	Yes	
 American Bureau of Snipping Europe Ltd. (ABS) Det Norske Veritas (DNV) 	Yes	
• Det Norske Veritas (DNV) standards, specifications, approvals Environmental Product De	- 17	
Environmental Product Declaration	Yes	
Global Warming Potential [CO2 eq]	100	
• total	290.7 kg	
during manufacturing	20.9 kg	
during manufacturing during operation	250.4 kg	
after end of life	0.33 kg	
Siemens Eco Profile (SEP)	Siemens EcoTech	
ambient conditions	Sistillatio Economic	
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	
connection method		
type of electrical connection	screw terminal	
• at input	+24 V: 2 screw terminals for 0.5 16 mm²; 0 V: 2 screw terminals for 0.5 4	
	mm²	
• at output	Output 1 4: 1 screw terminal each for 0.5 4 mm ²	
• for auxiliary contacts	Remote reset: 1 screw terminal for 0.5 4 mm ²	
for signaling contact	1 screw terminal 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	50	
• 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 No	
wall mounting	No Voc	
housing can be lined up	Yes	
net weight	0.2 kg	

mechanical accessories Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20 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 other information Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

security information

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	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 Declara-





Declaration of Conformity



General Product Approval

Marine / Shipping

Environment



Miscellaneous







Siemens **EcoTech**



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