SIEMENS

Data sheet

6EP1961-2BA31

SITOP PSE200U SELECTIVITY MODULE 3A SITOP PSE200U 3 A 4-channel selectivity module input: 24 V DC/12 A output: 24 V DC/4x 3 A threshold adjustable 0.5-3 A with status message per output

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 pick-up value current / of the current-	0.5 3 A
dependent overload release	
Type of response value setting	via potentiometer
Product feature / parallel switching of outputs	No
Product feature / bridging of equipments	Yes

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 in percent 97 % Power loss [M] / at rated output current / at rated output current / typical 9 W Switch-off characteristic or output 9 W • 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 approx. 5 s • of the current limitation lout = 1.5 x set value, switch-off after approx. 0.5 ms 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 Display version / for normal operation Overload protection type / for cables 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" Galvanic isolation / between input and output at switch-off Status signal output (pulse/pause signal, can be evaluated via Simatio function block) States Cartificate of suitability Yes • CE marking Yes UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 Standard / for safety according to EN 60950-1 and EN 50178 IECEX Ex nA IIC T4 Gc; ATEX (EX) II 3G Ex nA IIC T4 Gc; CSA CSA Class I, Div. 2,	Efficiency	
output current / typical Switch-off characteristic • of the excess current • of the excess divica/resetting mechanism • of the reset device/resetting mechanism • of add protection type / for cables • S A per output (not accessible) Display version / for normal operation • Orthe switching contact / for signaling function • Status signal output (puble-pause signal, can be evaluated via simatic function block) Safety Galvanic isolation / between input and output at switch-off • Class III Certificate of suitability • CE marking • Catificate of suitability • Catificate of suitability / relating to ATEX • Cateficate of s	Efficiency in percent	97 %
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• 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 approx. 0.5 ms • of the immediate switch-off lout > set value and Vin < 20 V, switch-off after approx. 0.5 ms	Switch-off characteristic per output	
• 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	Switching characteristic	
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Standard • for emitted interference EN 55022 Class B • for interference immunity EN 61000-6-2 Operating data Ambient temperature • during operation 0 60 °C	Protection class IP	IP20
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Operating data Ambient temperature • during operation 0 60 °C	 for emitted interference 	EN 55022 Class B
Ambient temperature • during operation 0 60 °C	 for interference immunity 	EN 61000-6-2
• during operation 0 60 °C	Operating data	
	Ambient temperature	
- Note with natural convection	 during operation 	0 60 °C
	— Note	with natural convection

 during transport 	-40 +85 °C
• during storage	-40 +85 °C
Environmental category / acc. to IEC 60721	Climate class 3K3, no condensation

Mechanics	
Type of electrical connection	screw-type terminals
● at input	+24 V: 2 screw terminals for 0.5 10 mm ² ; 0 V: 2 screw terminals for 0.5 4 mm ²
• at output	Output 1 4: 1 screw terminal each for 0.5 4 mm ²
 for signaling contact 	1 screw terminal for 0.5 4 mm ²
 for auxiliary contacts 	Remote reset: 1 screw terminal for 0.5 4 mm ²
Width / of the enclosure	72 mm
Height / of the enclosure	80 mm
Depth / of the enclosure	72 mm
Installation width	72 mm
Mounting height	180 mm
Net weight	0.2 kg
Mounting type	Snaps onto DIN rail EN 60715 35x7.5/15
Mechanical accessories	Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-1SB20
MTBF / at 40 °C	755 915 h
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)