SIEMENS

Data sheet 6EP1961-2BA21

SITOP PSE200U SELECTIVITY MODULE 10A
SITOP PSE200U 10 A Selectivity module 4-channel input: 24 V DC/40 A output: 24 V DC/4x 10 A Level adjustable 3-10 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	40 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	10 A
Adjustable pick-up value current / of the current-dependent overload release	3 ... 10 A
Type of response value setting	via potentiometer
Product feature / parallel switching of outputs	No

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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	
Efficiency in percent	99 %
Power loss [W] / at rated output current / for rated value of the output current / typical	10 W

Switch-off characteristic per output	
Switching characteristic	
• of the excess current	Iout = 1.0 ...1.5 x set value, switch-off after approx. 5 s
• of the current limitation	Iout = 1.5 x set value, switch-off after typ. 100 ms
• of the immediate switch-off	Iout > 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	15 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
Operating resource protection class	Class III
Certificate of suitability	
• CE marking	Yes
• as approval for USA	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
Certificate of suitability / relating to ATEX	IECEx Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cULus Class I, Div. 2, Group ABCD, T4
Shipbuilding approval	DNV GL, ABS
Protection class IP	IP20

EMC	
Standard	
• for emitted interference	EN 55022 Class B
• for interference immunity	EN 61000-6-2

Operating data	
Ambient temperature	

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• during operation	-25 ... +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 ... 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 mm²
• for signaling contact	3 screw terminals for 0.5 ... 4 mm²
• for auxiliary contacts	Remote reset: 1 screw terminal for 0.5 ... 4 mm²
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, TI-grey 3RT2900-1SB20
MTBF / at 40 °C	540 979 h
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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