

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 mit status
 message for each 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
Oversvoltage 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	$V_{in} - \text{approx. } 0.2 \text{ V}$
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	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	
<ul style="list-style-type: none"> parallel switching of outputs 	No
<ul style="list-style-type: none"> 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
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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	<ul style="list-style-type: none"> • of the excess current • of the current limitation • of the immediate switch-off
	<p>$I_{out} = 1.0 \dots 1.5 \times \text{set value}$, switch-off after approx. 5 s</p> <p>$I_{out} = 1.5 \times \text{set value}$, switch-off after typ. 100 ms</p> <p>$I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$, switch-off after approx. 0.5 ms</p>
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	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

Approvals

Certificate of suitability	<ul style="list-style-type: none"> • CE marking • UL approval • ATEX
	<p>Yes</p> <p>Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259</p> <p>Yes; IECEx Ex nA IIC T4 Gc; ATEX (EX) II 3G Ex nA IIC T4 Gc; cULus Class I, Div. 2, Group ABCD, T4</p>
Standard / for explosion protection	IECEX (IEC 60079-0, -15); ATEX (EN 60079-0, -15); cCSAus (CSA C22.2 No. 213, No. 60079, ANSI/ISA 12.12.01, UL 60079)
Certificate of suitability	<ul style="list-style-type: none"> • IECEx • Shipbuilding approval
	<p>Yes</p> <p>Yes</p>
Shipbuilding approval	DNV GL, ABS
Marine classification association	

- American Bureau of Shipping Europe Ltd. (ABS)
- DNV GL

Yes

Yes

EMC

Standard

- for emitted interference
- for interference immunity

EN 55022 Class B

EN 61000-6-2

environmental conditions

Ambient temperature

- during operation
- during transport
- during storage

-25 ... +60 °C; with natural convection

-40 ... +85 °C

-40 ... +85 °C

Environmental category / acc. to IEC 60721

Climate class 3K3, 5 ... 95% no condensation

Mechanics

Type of electrical connection

- at input
- at output
- for signaling contact
- for auxiliary contacts

screw-type terminals

+24 V: 2 screw terminals for 0.5 ... 16 mm²; 0 V: 2 screw terminals for 0.5 ... 4 mm²

Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm²

1 screw terminal for 0.5 ... 4 mm²

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

Required spacing

- top
- bottom
- left
- right

50 mm

50 mm

0 mm

0 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)