

SITOP PSE200U SELECTIVITY MODULE 3A  
 SITOP PSE200U 3 A NEC CLASS 2 Selectivity module 4-channel  
 input: DC 24 V/12 A output: 24 V/4x 3A NEC class 2 Level 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 pick-up value current / of the current-dependent overload release	0.5 ... 3 A
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
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### Efficiency

Efficiency in percent	97 %
Power loss [W] / at rated output current / for rated value of the output current / typical	9 W

### Switch-off characteristic per output

Switching characteristic	<ul style="list-style-type: none"> <li>• of the excess current</li> <li>• of the current limitation</li> <li>• of the immediate switch-off</li> </ul>
	<p><math>I_{out} = 1.0 \dots 1.1 \times \text{set value}</math>, switch-off after approx. 5 s</p> <p><math>I_{out} = 1.1 \times \text{set value}</math>, switch-off after typ. 100 ms</p> <p><math>I_{out} &gt; \text{set value}</math> and <math>V_{in} &lt; 20 \text{ V}</math>, 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	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
Operating resource protection class	Class III
Certificate of suitability	<ul style="list-style-type: none"> <li>• CE marking</li> <li>• as approval for USA</li> </ul>
	<p>Yes</p> <p>UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259; NEC Class2 (UL1310)</p>
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; cCSAus Class I, Div. 2, Group ABCD, T4
Shipbuilding approval	DNV GL, ABS
Protection class IP	IP20

### EMC

Standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>	<p>EN 55022 Class B</p> <p>EN 61000-6-2</p>

### Operating data

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-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 mm <sup>2</sup> ; 0 V: 2 screw terminals for 0.5 ... 4 mm <sup>2</sup>
• at output	Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm <sup>2</sup>
• for signaling contact	3 screw terminals for 0.5 ... 4 mm <sup>2</sup>
• for auxiliary contacts	Remote reset: 1 screw terminal for 0.5 ... 4 mm <sup>2</sup>
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	755 915 h
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)