

SITOP PSE200U SELECTIVITY MODULE 3A  
SITOP PSE200U 3 A Selectivity module 4-channel input: DC 24 V/12  
A output: 24 V DC/4x 3 A Level adjustable 0.5-3 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	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
<b>Efficiency</b>	
Efficiency in percent	97 %
Power loss [W] / at rated output current / for rated value of the output current / typical	9 W
<b>Switch-off characteristic per output</b>	
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>
	lout = 1.0 ... 1.5 x set value, switch-off after approx. 5 s
	lout = 1.5 x set value, switch-off after typ. 100 ms
	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)
<b>Protection and monitoring</b>	
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)
<b>Safety</b>	
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
<b>Approvals</b>	
Certificate of suitability / CE marking	Yes
Certificate of suitability / UL approval	Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259
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 / Shipbuilding approval	Yes
Shipbuilding approval	DNV GL, ABS
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• DNV GL	Yes
<b>EMC</b>	

Standard	<ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>	EN 55022 Class B EN 61000-6-2	
<b>environmental conditions</b>			
Ambient temperature	<ul style="list-style-type: none"> <li>• during operation</li> <li>— Note</li> <li>• during transport</li> <li>• during storage</li> </ul>	-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		
<b>Mechanics</b>			
Type of electrical connection	screw-type terminals		
Type of electrical connection	<ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> <li>• for signaling contact</li> <li>• for auxiliary contacts</li> </ul>	screw-type terminals +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> Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm <sup>2</sup> 3 screw terminals for 0.5 ... 4 mm <sup>2</sup> 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)		