



SITOP PSE200U 10 A SELECTIVITY MODULE 4-CHANNEL INPUT: 24 V DC; OUTPUT: 24 V D/10 A PER EACH CHANNEL OUTPUT CURRENT ADJUSTABLE 3-10

### Technical specifications

Product	SITOP PSE200U
Power supply, type	Selectivity module, 4 x 10 A

### Input

Input	Controlled DC voltage
Supply voltage / for DC / rated value	24 V
Input voltage	
• at DC	22 ... 30 V
Oversoltage resistance	35 V
Input current / at nominal level of the input voltage 24 V / nominal value	40 A

### Output

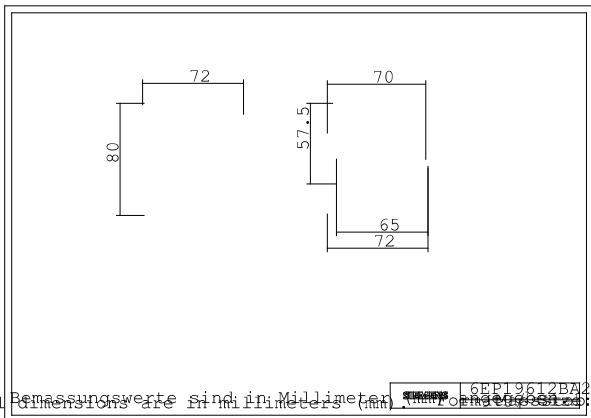
Output	controlled DC voltage
Output voltage	V <sub>in</sub> - approx. 0.2 V
Total tolerance	In accordance with the supplying input voltage
Number of channels / secondary side	4
Output current / at 60 °C / per channel / rated value	10 A
Adjustable output current	3 ... 10 A
Output voltage setting	via potentiometer
Product feature / Bridging of channels	No

Type of channel connection	Simultaneous connection of all channels 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 at Vout rated, Iout rated, approx.	99 %
Power loss at Vout rated, Iout rated, approx.	10 W
<b>Switch-off characteristic per channel</b>	
Overcurrent switch-off	Iout = 1.0 ... 1.3 x set value, switch-off after approx. 5 s
Current limitation	Iout = 1.3 x set value, switch-off not before typ. 100 ms
Immediate switch-off	Iout > set value and Vin < 20 V, switch-off after approx. 0.5 ms
Reset	Using keys for each channel
Remote reset	Non-isolated 24 V input (signal level "high" at > 15 V)
<b>Protection and monitoring</b>	
Device/Line protection	15 A internal fuse per channel (not accessible)
Status display	Three-color LED per channel: green LED for "Output switched through"; yellow LED for "Output switched off manually"; red LED for "Output switched off due to overcurrent"
Signaling	Common signal contact (changeover contact, rating 0.1 A/24 V DC)
<b>Safety</b>	
Standard / for security	according to EN 60950-1 and EN 50178
Protection class	Class III
CE mark	Yes
Degree of protection (EN 60529)	IP20
UL/cUL (CSA) approval	UL-Recognized (UL 2367) File E328600; cURus (UL 508, CSA C22.2 No. 107.1) File E197259
Standard / for explosion protection	ATEX (EN 60079-x); cCSAus (CSA C22.2 No. 60079-x, UL 60079-x)
Explosion protection	ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cCSAus Class I, Div. 2, Group ABCD, T4
<b>EMC</b>	
Emitted interference	EN 55022 Class B
Noise immunity	EN 61000-6-2
<b>Operating data</b>	
Ambient temperature	
• in operation	0 ... 60 °C
• Note	with natural convection
Ambient temperature	
• on transport	-40 ... +85 °C
• in storage	-40 ... +85 °C
Humidity class according to EN 60721	Climate class 3K3, no condensation
<b>Mechanics</b>	
Connection technology	screw-type terminals

Design of the electrical connection	
<ul style="list-style-type: none"> <li>• at the input</li> <li>• secondary side</li> <li>• for signaling contact</li> <li>• for auxiliary contact</li> </ul>	+24 V: 2 screw terminals for 0.5 ... 10 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 housing	72 mm
Height / of the housing	80 mm
Depth / of the housing	72 mm
Installation width	72 mm
Mounting height	180 mm
Net weight	0.2 kg
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
Mechanical accessories	Device identification label 20 mm x 7 mm, pastel-turquoise 3RT1900-1SB20

Other information

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)



letzte Änderung:

Sep 3, 2012