



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 _{in} - 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
Efficiency	
Efficiency at Vout rated, Iout rated, approx.	99 %
Power loss at Vout rated, Iout rated, approx.	10 W
Switch-off characteristic per channel	
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)
Protection and monitoring	
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)
Safety	
Standard / for safety	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. 213, No. 60079, ANSI/ISA 12.12.01, UL 60079)
Explosion protection	ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cCSAus Class I, Div. 2, Group ABCD, T4
Marine approval	Yes
Marine approval	GL
EMC	
Emitted interference	EN 55022 Class B
Noise immunity	EN 61000-6-2
Operating data	
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

Mechanics	
Connection technology	screw-type terminals
Design of the electrical connection <ul style="list-style-type: none"> • at the input • secondary side • for signaling contact • for auxiliary contact 	+24 V: 2 screw terminals for 0.5 ... 10 mm ² ; 0 V: 2 screw terminals for 0.5 ... 4 mm ² Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm ² 3 screw terminals for 0.5 ... 4 mm ² Remote reset: 1 screw terminal for 0.5 ... 4 mm ²
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:

Dec 2, 2013