



SITOP PSE200U/4X3-10A/SEO

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 with status message for each output *Ex approval no longer available*

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	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 current response value current of the current-dependent overload release	3 ... 10 A
type of response value setting	via potentiometer
product feature parallel switching of outputs	No
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
Efficiency	
efficiency in percent	99 %
power loss [W] at rated output voltage 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 	$I_{out} = 1.0 \dots 1.5 \times \text{set value}$, switch-off after approx. 5 s $I_{out} = 1.5 \times \text{set value}$, switch-off after typ. 100 ms $I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$, 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)
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	Yes Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259 No No Yes Yes DNV GL, ABS Yes Yes
• CE marking	
• UL approval	
• ATEX	
certificate of suitability	
• IECEX	
certificate of suitability	
• EAC approval	
• shipbuilding approval	
shipbuilding approval	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• DNV GL	Yes
EMC	
standard	EN 55022 Class B EN 61000-6-2
• for emitted interference	
• for interference immunity	
environmental conditions	
ambient temperature	-25 ... +60 °C; with natural convection -40 ... +85 °C -40 ... +85 °C
• during operation	
• during transport	
• during storage	
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
Mechanics	
type of electrical connection	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
• at input	
• at output	
• for signaling contact	
• for auxiliary contacts	
width of the enclosure	
height of the enclosure	
depth of the enclosure	
installation width	
mounting height	
required spacing	50 mm 50 mm 0 mm 0 mm
• top	
• bottom	
• left	
• right	
net weight	0.2 kg
fastening method	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)

