



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	Vin - approx. 0.2 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
residual current at switch-off typical	Iout = 1.0 ... 1.5 x set value, switch-off after approx. 5 s
design of the reset device/resetting mechanism	Iout = 1.5 x set value, switch-off after typ. 100 ms
remote reset function	Iout > set value and Vin < 20 V, switch-off after approx. 0.5 ms
	1 mA
	via sensor per output
	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

Approvals

certificate of suitability	Yes
• CE marking	Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259
• UL approval	No
• ATEX	No
certificate of suitability	Yes
• IECEx	Yes
type of certification CB-certificate	Yes
certificate of suitability	Yes
• EAC approval	Yes
• shipbuilding approval	Yes
shipbuilding approval	DNV GL, ABS
Marine classification association	Yes
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• DNV GL	Yes

EMC

standard	
• for emitted interference	EN 55022 Class B
• for interference immunity	EN 61000-6-2

environmental conditions

ambient temperature	
• during operation	-25 ... +60 °C; with natural convection
• during transport	-40 ... +85 °C
• during storage	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation

Mechanics

type of electrical connection	screw-type terminals
• at input	+24 V: 2 screw terminals for 0.5 ... 16 mm ² ; 0 V: 2 screw terminals for 0.5 ... 4 mm ²
• at output	Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm ²
• for signaling contact	1 screw terminal for 0.5 ... 4 mm ²
• for auxiliary contacts	Remote reset: 1 screw terminal for 0.5 ... 4 mm ²
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
required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	0 mm
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)

