



Figure similar

SITOP PSE200U/4X3-10A/CSC

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 common signaling contact *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	
• of the excess current	$I_{out} = 1.0 \dots 1.5 \times \text{set value}$, switch-off after approx. 5 s
• of the current limitation	$I_{out} = 1.5 \times \text{set value}$, switch-off after typ. 100 ms
• of the immediate switch-off	$I_{out} > \text{set value}$ 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	Common signal contact (changeover contact, rating 0.1 A/24 V DC)
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
• CE marking	
• UL approval	
• ATEX	No
certificate of suitability	No
• IECEx	
type of certification CB-certificate	Yes
certificate of suitability	Yes Yes
• EAC approval	
• shipbuilding approval	Yes
shipbuilding approval	DNV GL, ABS
Marine classification association	Yes Yes
• American Bureau of Shipping Europe Ltd. (ABS)	
• DNV GL	Yes
EMC	
standard	EN 55022 Class B EN 61000-6-2
• for emitted interference	
• for interference immunity	EN 61000-6-2
environmental conditions	
ambient temperature	-25 ... +60 °C; with natural convection -40 ... +85 °C -40 ... +85 °C
• during operation	
• during transport	
• during storage	-40 ... +85 °C
environmental category according to IEC 60721	climate class 3K3, 5 ... 95% without condensation
Mechanics	
type of electrical connection	screw-type terminals +24 V: 2 screw terminals for 0.5 ... 16 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
• at input	
• at output	
• for signaling contact	
• for auxiliary contacts	
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	50 mm 50 mm 0 mm 0 mm
• top	
• bottom	
• left	
• 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)

