Data sheet



SIPLUS PS PSE200U 10A SIPLUS PS PSE200U 10 A with conformal coating based on 6EP1961-2BA41 . SELECTIVITY module 4-channel 4-channel input: 24 V DC Output: 24 V DC/10 A per channel output current adjustable 3-10 with status message per channel

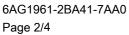
Input	
type of the power supply network	Controlled DC voltage
supply voltage / at DC / rated value	24 V
input voltage / at DC	22 30 V
overvoltage overload capability	35 V
input current / at rated input voltage 24 V / rated value	40 A

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 pick-up value current / of the current-	3 10 A
dependent overload release	
type of response value setting	via potentiometer
product feature	
parallel switching of outputs	No
bridging of equipments	Yes

PNAP

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 current / for rated value of the output current / typical	10 W
Switch-off characteristic per output	
switching characteristic	
• of the excess current	lout = 1.01.5 x set value, switch-off after approx. 5 s
• of the current limitation	lout = 1.5 x set value, switch-off after typ. 100 ms
• of the immediate switch-off	lout > set value and Vin < 20 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	
• CE marking	Yes
EMC	
standard	
	EN EE000 Class D
 for emitted interference 	EN 55022 Class B
for emitted interferencefor interference immunity	EN 61000-6-2
• for interference immunity	
for interference immunity environmental conditions	







installation altitude / at height above sea level / maximum	6 000 m
ambient condition / relating to ambient temperature - air pressure - installation altitude	In case of operation at altitudes of 2000 - 6000 m above sea level: Output power derating of -7.5 %/1000 m or reduction of the ambient temperature by 5 K/1000 m
relative humidity / with condensation / acc. to IEC 60068-2-38 / maximum	100 %; RH incl. condensation/frost (no commissioning if condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. diesel and oil droplets in the air
resistance to biologically active substances / conformity acc. to EN 60721-3-3	Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request
resistance to chemically active substances / conformity acc. to EN 60721-3-3	Yes; Class 3C4 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3)
resistance to mechanically active substances / conformity acc. to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust
resistance to biologically active substances / conformity acc. to EN 60721-3-6	Yes; Class 6B2 mold, fungal, sponge spores (except fauna)
resistance to chemically active substances / conformity acc. to EN 60721-3-6	Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (severity level 3)
resistance to mechanically active substances / conformity acc. to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust
coating / for equipped printed circuit board / acc. to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; Type 1 protection
type of test / of the coating / acc. to MIL-I-46058C	Yes; Discoloration of the coating during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes; Conformal Coating, Class A

Mechanics	
type of electrical connection	screw-type terminals
• at input	+24 V: 2 screw terminals for 0.5 16 mm²; 0 V: 2 screw terminals for 0.5 4 mm²
• at output	Output 1 4: 1 screw terminal each for 0.5 4 mm²
• 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
net weight	0.2 kg
mounting type	Snaps onto DIN rail EN 60715 35x7.5/15
mechanical accessories	Device identification label 20 mm × 7 mm, TI-grey 3RT2900- 1SB20



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