MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6EP1961-2BA00

SITOP PSE200U SELECTIVITY MODULE

Used with the applicable SITOP PSE200U configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official technical documentation for 6EP1961-2BA00

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Data sheet 6EP1961-2BA00



SITOP SELECT/DIAGNOSIS MODULE/4X2-10A

SITOP select Diagnostics module 4-channel input: 24 V DC/40 A output: 24 V DC/4x 10 A threshold adjustable 2-10 A *Ex approval no longer available*

Input	
type of the power supply network	Controlled DC voltage (SITOP select is not designed for operation with DC UPS module 40 A (6EP1 931-2FC21/-2FC42)
supply voltage at DC rated value	24 V
input voltage at DC	22 ... 30 V
overvoltage overload capability	35 V; 100 ms
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. 0.3 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	2 ... 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, delay time of 24 ms or 100 ms programmable for sequential connection
Efficiency	
efficiency in percent	97 %
power loss [W] at rated output voltage for rated value of the output current typical	30 W
Switch-off characteristic per output	
switching characteristic	
• of the excess current	Iout = 1.0 ...1.3 x set value, switch-off after approx. 5 s
• of the current limitation	Iout = 1.3 x set value, switch-off after approx. 50 ... 100 ms
• of the immediate switch-off	Iout > set value and Vin < 20 V, switch-off after approx. 0.5 ms
residual current at switch-off typical	20 mA
design of the reset device/resetting mechanism	Using keys on the module
remote reset function	-
Protection and monitoring	
fuse protection type at input	Blade-type fuse per output (equipped when delivered with 15 A fuse)
display version for normal operation	Two-color LED per output: green LED for "Output switched through"; red LED for "Output switched off due to overcurrent"
design of the switching contact for signaling function	Common signal contact (NO contact, rating 0.5 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

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Approvals	
● CE marking	Yes
● UL approval	Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA C22.2 No. 107.1) File E197259
● EAC approval	Yes
● CB-certificate	Yes
certificate of suitability	
● IECEx	No
● ATEX	No
shipbuilding approval	No
EMC	
standard	
● for emitted interference	EN 55022 Class B
● for interference immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
● during operation	0 ... 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 mm²; 0 V: 2 screw terminals for 0.5 ... 4 mm²
● at output	Output 1 ... 4: 1 screw terminal each for 0.22 ... 4 mm²
● for signaling contact	2 screw terminals for 0.22 ... 4 mm²
● for auxiliary contacts	-
width of the enclosure	72 mm
height of the enclosure	90 mm
depth of the enclosure	90 mm
installation width	72 mm
mounting height	190 mm
required spacing	
● top	50 mm
● bottom	50 mm
● left	0 mm
● right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
● standard rail mounting	Yes
● S7 rail mounting	No
● wall mounting	No
product feature of the enclosure housing can be lined up	Yes
net weight	0.4 kg
product component included	4x blade-type fuse 15 A
MTBF at 40 °C	616 675 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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