SIEMENS

Data sheet 6EP1961-3BA01



SITOP PSE201U/Buffer module/10S

SITOP PSE201U buffer module buffer time 100 ms to 10 s depending on load current

General information	
Technical Product Detail Page	https://i.siemens.com/1P6EP1961-3BA01
product brand name	SITOP
product type designation	PSE201U
type of current supply	Buffer module
input	
voltage curve at input	DC
supply voltage at DC rated value	24 V
input voltage at DC	24 ... 28.8 V
memory	
design of the mains power cut bridging-connection	Backup time: with 40 A load current: 200 ms; with 20 A load current: 400 ms; with 10 A load current: 800 ms; with 5 A load current: 1.6 s. Reduces the backup time by 100 ms in combination with 6EP1 437-3BA10. Maximum backup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A).
buffering time in the event of power failure	0.16 min
output	
formula for output voltage	Vin - approx. 1 V
output current	
● rated value	40 A
protection and monitoring	
display version	
● for normal operation	Green LED for "supply voltage > 20.5 V"
interfaces	
product component PC interface	No
product function communication function	No
design of the interface	without
safety	
galvanic isolation between input and output	Yes
operating resource protection class	Class III
protection class IP	IP20
standard	
● for emitted interference	EN 55022 Class B
● for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
● EAC approval	Yes
● SEMI F47	Yes

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type of certification CB-certificate	Yes
MTBF at 40 °C	2 538 071 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
● ATEX	No
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● Det Norske Veritas (DNV)	Yes
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	64.9 kg
● during manufacturing	20.8 kg
● during operation	43.2 kg
● after end of life	0.39 kg
ambient conditions	
ambient temperature	
● during operation	-25 ... +70 °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
connection method	
type of electrical connection	screw terminal
● at input	+: 1 screw terminal for 0.5 ... 10 mm²
● at output	-: 1 screw terminal for 0.5 ... 10 mm²
mechanical data	
width × height × depth of the enclosure	70 × 125 × 121 mm
installation width × mounting height	70 mm × 225 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
● DIN-rail mounting	Yes
● S7 rail mounting	No
● wall mounting	No
housing can be lined up	Yes
net weight	1.2 kg
further information internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: power supplies	https://siemens.com/sitop
● to website: CAx-Download-Manager	https://siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is

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Classifications

	Version	Classification
eClass	16	27-04-07-05
eClass	14	27-04-07-05
eClass	12	27-04-07-05
eClass	9.1	27-04-07-05
eClass	9	27-04-07-05
eClass	8	27-04-06-90
eClass	7.1	27-04-06-90
eClass	6	27-04-06-90
ETIM	10	EC000382
ETIM	9	EC000382
ETIM	8	EC000382
ETIM	7	EC000382
IDEA	4	4149
UNSPSC	15	39-12-10-11

Approvals Certificates

General Product Approval

CB

Manufacturer Declaration

CE EG-Konf.

UKCA

China RoHS

Declaration of Conformity

General Product Approval	Maritime application		Environment
UL	ABS	DNV	EPD

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