## **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

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 437-38A10. Maximum backup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A buffering time in the event of power failure  Output  output  formula for output voltage  Output current  • rated value  protection and monitoring  display version  • for normal operation  Interfaces  product component PC interface  product function communication function  design of the interface  safety  galvanic isolation between input and output  yes  operating resource protection class  Class III  protection class IP  standard  • for emitted interference  • for interference immunity  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  with out 50 A load current 20 A on the backup time by 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A on the packup time 100 ms in combination to the packup time 100 ms in combination to the packup time 100 ms in combination to the packup time 100 ms in combin	input			
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: 400 ms with 10 A load current: 800 ms; with 5 A load current: 400 ms with 10 A load current: 800 ms; with 5 A load current: 40 ms with 10 Ms in combination with 6EP1 437-3BA10. Maximum backup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A load current)  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  • for normal operation  or event LED for "supply voltage > 20.5 V"  interfaces  product component PC interface  product function communication function  design of the interface  without  safety  galvanic isolation between input and output  yes  operating resource protection class  Class III  protection class IP  standard  • for emitted interference  • for interference immunity  EN 55022 Class B  EN 55022 Class B  certificate of suitability  • CE marking  • UL approval  Yes  Ves; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22. No. 10. 107.1)	supply voltage at DC rated value	24 V		
design of the mains power cut bridging-connection  Backup time: with 40 A load current: 200 ms; with 5 A load current: 400 ms with 10 A load current: 400 ms with 5 A load current: 1.6 s. Rectues 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 output to me 100 ms in combination with 6EP1 336-2BA10 (load current 20 A output current  output  formula for output voltage  output current  or ated value  40 A  protection and monitoring  display version  of or normal operation  for normal operation  of reen LED for "supply voltage > 20.5 V"  interfaces  product component PC interface  product function communication function  design of the interface without  safety  galvanic isolation between input and output  yes  operating resource protection class  protection class IP  standard  of or emitted interference  of or interference immunity  EN 50222 Class B  EN 50222 Class B  en for interference immunity  Yes  certificate of suitability  OE marking  Yes  Ves  UL Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	input voltage at DC	24 28.8 V		
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 437-38A10. Maximum backup time 100 ms in combination with 6EP1 336-2BA10 (load current 20 A output trend to 100 ms in combination with 6EP1 336-2BA10 (load current 20 A output current output voltage output current output voltage output current output current or a rated value output current of rated value output current output component PC interface output component PC interface output current output current output current output	memory			
output formula for output voltage  output current  • rated value  ### Ado A  ### Add A	design of the mains power cut bridging-connection			
formula for output voltage  output current  • rated value  ### val	buffering time in the event of power failure	0.16 min		
output current	output			
	formula for output voltage	Vin - approx. 1 V		
display version	output current			
display version	rated value	40 A		
● for normal operation  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 ● UL approval  Green LED for "supply voltage > 20.5 V"  No No No No Ves Without Yes Class III P20 Standard  ● for emitted interference EN 55022 Class B EN 61000-6-2  Standards, specifications, approvals Certificate of suitability ● CE marking  Yes Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22. No. 107.1)	protection and monitoring			
interfaces  product component PC interface product function communication function design of the interface  safety galvanic isolation between input and output operating resource protection class Class III protection class IP IP20 standard of or emitted interference for interference immunity EN 61000-6-2  standards, specifications, approvals  certificate of suitability CE marking UL approval  Yes Vos Ves; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	display version			
product component PC interface  product function communication function  design of the interface  without  safety  galvanic isolation between input and output  operating resource protection class  Class III  protection class IP  ip20  standard  of or emitted interference  for interference immunity  EN 55022 Class B  of interference immunity  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  CE marking  OLL approval  Yes  Yes  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.3 No. 107.1)	for normal operation	Green LED for "supply voltage > 20.5 V"		
product function communication function  design of the interface  without  safety  galvanic isolation between input and output  operating resource protection class  Class III  protection class IP  standard  • for emitted interference  • for interference immunity  EN 55022 Class B  • for interference immunity  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	interfaces			
design of the interface  safety  galvanic isolation between input and output  operating resource protection class  protection class IP  standard  of or emitted interference  for interference immunity  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  CE marking  old UL approval  without  Yes  Class III  EN 55022 Class B  EN 61000-6-2  Standards, specifications, approvals  Certificate of suitability  Yes  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	product component PC interface	No		
galvanic isolation between input and output  operating resource protection class  Class III  protection class IP  standard  • for emitted interference  • for interference immunity  EN 55022 Class B  • for interference immunity  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	product function communication function	No		
galvanic isolation between input and output  operating resource protection class  Class III  protection class IP  standard  • for emitted interference  • for interference immunity  EN 55022 Class B  • for interference immunity  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	design of the interface	without		
operating resource protection class  protection class IP  standard  • for emitted interference  • for interference immunity  EN 55022 Class B  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	safety			
protection class IP  standard  • for emitted interference  • for interference immunity  EN 55022 Class B  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	galvanic isolation between input and output	Yes		
standard  • for emitted interference  • for interference immunity  EN 55022 Class B  • for interference immunity  EN 61000-6-2  standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	operating resource protection class	Class III		
• for emitted interference     • for interference immunity     • EN 55022 Class B     • for interference immunity     EN 61000-6-2  standards, specifications, approvals  certificate of suitability     • CE marking     • UL approval  Ves; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	protection class IP	IP20		
• for interference immunity     Standards, specifications, approvals  certificate of suitability     • CE marking     • UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	standard			
standards, specifications, approvals  certificate of suitability  • CE marking  • UL approval  Yes  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22 No. 107.1)	for emitted interference	EN 55022 Class B		
certificate of suitability  • CE marking  • UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	for interference immunity	EN 61000-6-2		
<ul> <li>CE marking</li> <li>UL approval</li> <li>Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)</li> </ul>	standards, specifications, approvals			
• UL approval  Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)	certificate of suitability			
No. 107.1)	CE marking	Yes		
	UL approval	Yes; UL-Listed (UL 508), File E197259; CSA (CSA C22.2 No. 14, CSA C22.2 No. 107.1)		
• CSA approval cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)	CSA approval	cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)		
• EAC approval Yes	EAC approval	Yes		
• SEMI F47 Yes	• SEMI F47	Yes		
type of certification CB-certificate  Yes	type of certification CB-certificate	Yes		
MTBF at 40 °C 2 538 071 h	MTBF at 40 °C	2 538 071 h		
standards, specifications, approvals hazardous environments	standards, specifications, approvals hazardous environments			
certificate of suitability	certificate of suitability			
• ATEX No	• ATEX	No		
• cCSAus, Class 1, Division 2	• cCSAus, Class 1, Division 2	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 Do	eclaration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	68.9 kg
during manufacturing	20.9 kg
during operation	46.8 kg
after end of life	0.68 kg
ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +70; with natural convection
<ul> <li>during transport</li> </ul>	-40 +85
during storage	-40 +85
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 mm <sup>2</sup>
• at output	-: 1 screw terminal for 0.5 10 mm <sup>2</sup>
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 further information internet links	1.2 kg
internet link	https://mall.industry.gigmana.gom
to website: Industry Mall     to web pages selection aid TIA Selection Teel	https://mall.industry.siemens.com
to web page: selection aid TIA Selection Tool     to web page: power supplies	https://www.siemens.com/tstcloud
to web page: power supplies     to website: CAy Download Manager	https://siemens.com/sitop https://siemens.com/cax
<ul> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com
additional information	nups//supportinuusuy.siciniciis.com
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless
one information	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 necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates,

https://www.siemens.com/cert. (V4.7)

## Classifications

	Version	Classification
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	9	EC000382
ETIM	8	EC000382
ETIM	7	EC000382
IDEA	4	4149
UNSPSC	15	39-12-10-11

Approvals Certificates

**General Product Approval** 





Manufacturer Declaration







Maritime application

Environment







last modified:

4/24/2025