



Figure similar

SIPLUS SITOP PS MODULAR Puffermodul

SIPLUS PS modular buffer module based on 6EP1961-3BA01 with conformal coating, -25...+70 °C, for 6EP1x3x-3BAx0 buffer time 100 ms to 10 s depending on load current

Technical Product Detail Page

<https://i.siemens.com/1P6AG1961-3BA01-7AA0>

input

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	$V_{in} - \text{approx. } 1 \text{ V}$
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
• UKCA marking	Yes
MTBF at 40 °C	2 538 071 h

ambient conditions

ambient temperature	
• in horizontal mounting position during operation	-25 ... +70 °C; with natural convection
• during transport	-40 ... +85 °C
• during storage	-40 ... +85 °C
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 according 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 according to EN 60721-3-3	Yes; Class 3B2 mold, fungal, sponge spores (except fauna); class 3B3 upon request
resistance to chemically active substances conformity according 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 according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust
resistance to biologically active substances conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal, sponge spores (except fauna)
resistance to chemically active substances conformity according 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 according to EN 60721-3-6	Yes; Class 6S3 incl. sand, dust
coating for equipped printed circuit board according 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 according 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 according to IPC-CC-830A	Yes; Conformal Coating, Class A
connection method	
type of electrical connection	screw terminal
<ul style="list-style-type: none"> • at input • at output 	+: 1 screw terminal for 0.5 ... 10 mm ² -: 1 screw terminal for 0.5 ... 10 mm ²
mechanical data	
width × height × depth of the enclosure	70 × 125 × 121 mm
installation width × mounting height	70 mm × 225 mm
required spacing	
<ul style="list-style-type: none"> • top • bottom • left • right 	50 mm 50 mm 0 mm 0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> • DIN-rail mounting • S7 rail mounting • wall mounting 	Yes No No
housing can be lined up	Yes
net weight	1.2 kg
further information internet links	
internet link	
<ul style="list-style-type: none"> • to website: Industry Mall • to website: Industry Online Support 	https://mall.industry.siemens.com 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 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

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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	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	EMV
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[Manufacturer Declaration](#)

[China RoHS](#)



[KC](#)

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