Data sheet

6EP4231-7HB00-0AX0



SITOP BUF1200/300MS/40A

SITOP BUF1200 buffer module Buffer time 300 ms at 40 A Buffer t. depends on load current DC input 24 V $\,$

supply voltage at DC rated value supply voltage at DC 24 28 V input voltage at DC 20 30 V memory design of the mains power cut bridging-connection Module for buffering during short power interruptions; parallel connection at the output of 24 V power supplies. Buffer time of 300 ms at 40 A up to 2.4 s at 5 A load ourrent; multiplication possible by parallel connection at the output of 24 V power supplies. Buffer time of 300 ms at 40 A up to 2.4 s at 5 A load ourrent; multiplication possible by parallel connection of 3 min output output output current • rated value 40 A protection and monitoring display version • for normal operation LED green for "buffer standby exist" 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 interference immunity EN 61000-6-2 standards, specifications, approvals CSA approval • CSA approval • CSA approval • CSA approval • SEMI F47 Ves Yes *Yes *Yes *Yes *Yes *SEMI F47 Yes Oc Gauss (CSA C22.2 No. 62368-1, UL 62368-1) Yes *SEMI F47 Yes *Yes *SEMI F47 *Yes *SEMI	input		
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◆ ATEX	standards, specifications, approvals hazardous environments		
• cCSAus, Class 1, Division 2 standards, specifications, approvals marine classification shipbuilding approval Yes	certificate of suitability		
standards, specifications, approvals marine classification shipbuilding approval Yes	• ATEX	No	
shipbuilding approval Yes	• cCSAus, Class 1, Division 2	No	
	standards, specifications, approvals marine classification		
Marine classification association	shipbuilding approval	Yes	
	Marine classification association		

American Bureau of Shipping Europe Ltd. (ABS)	Yes; in preparation	
Det Norske Veritas (DNV)	Yes; in preparation	
standards, specifications, approvals Environmental Product	Declaration	
Environmental Product Declaration	Yes	
global warming potential [CO2 eq]		
• total	68.8 kg	
 during manufacturing 	19 kg	
 during operation 	49.1 kg	
 after end of life 	0.36 kg	
ambient conditions		
ambient temperature		
during operation	-40 +70; with natural convection	
during transport	-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	push-in terminals	
• at input	+: push-in for 0.75 16 mm ²	
at output	-: push-in for 0.5 6 mm²	
mechanical data	pusit-in for 0.0 0 min	
	70 × 135 × 155 mm	
width × height × depth of the enclosure	70 × 135 × 155 mm	
installation width × mounting height	70 HIIII 622 ^ HIIII	
required spacing	45 mm	
• top		
• bottom	45 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 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, subscribe to the Siemens Industrial Cybersecurity RSS Feed under 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	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





Manufacturer Declaration







Maritime application

Environment





last modified:

8/7/2025