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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

input	
supply voltage at DC rated value	24 V
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 current; multiplication possible by parallel connection
buffering time in the event of power failure	0.3 min
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	
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
standards, specifications, approvals hazardous environments	
certificate of suitability	
● ATEX	No
● 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; in preparation
● Det Norske Veritas (DNV)	Yes; in preparation

ambient conditions	
ambient temperature	
● during operation	-40 ... +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	push-in terminals
● at input	+: push-in for 0.75 ... 16 mm²
● at output	-: push-in for 0.5 ... 6 mm²
mechanical data	
width × height × depth of the enclosure	70 × 135 × 155 mm
installation width × mounting height	70 × 225 mm
required spacing	
● top	45 mm
● bottom	45 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
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 website: Industrial communication	https://siemens.com/industrial-communication
● 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	9	EC000382
ETIM	8	EC000382
ETIM	7	EC000382
IDEA	4	4149
UNSPSC	15	39-12-10-11

Approvals Certificates

General Product Approval

Manufacturer Declaration

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