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Data sheet 6EP1733-2BA00-0AA0



SITOP PSU400S/DC/DC/48V/24V/5A

********* spare part ********** SITOP PSU400S 24 V/5 A stabilized power supply input: 48 V DC (30.2...75 V) output: 24 V DC/5 A (22...28V)

input	
type of the power supply network	DC voltage
input voltage at DC	30 ... 75.5 V
buffering time for rated value of the output current in the event of power failure minimum	5 ms
operating condition of the mains buffering	at Vin = 48 V
input current	
● at rated input voltage 48 V	2.9 A
fuse protection type in the feeder	6 A characteristic C
output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	24 V
output voltage	
● at output 1 at DC rated value	24 V
output voltage adjustable	Yes; via potentiometer
adjustable output voltage	22.8 ... 28 V; max. 120 W
relative overall tolerance of the voltage	3 %
residual ripple	
● maximum	50 mV
voltage peak	
● maximum	200 mV
display version for normal operation	Green LED for 24 V OK
type of signal at output	No
response delay maximum	2.5 s
voltage increase time of the output voltage	
● maximum	1 500 ms
output current	
● rated value	5 A
● rated range	0 ... 5 A; +60 ... +70 °C: Derating 2.5%/K
supplied active power typical	120 W
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	89 %
power loss [W]	
● at rated output voltage for rated value of the output current typical	5 W
closed-loop control	
setting time	
● maximum	1 ms

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protection and monitoring	
design of the overvoltage protection	< 33 V
property of the output short-circuit proof	Yes
overcurrent overload capability	
● in normal operation	overload capability 150 % Iout rated up to 5 s/min
safety	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1
EMC	
standard	
● for emitted interference	EN 61000-6-3 Class A
● for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes; UL 508, CSA C22.2 No. 107.1
● CSA approval	Yes; UL 508, CSA C22.2 No. 107.1
● EAC approval	Yes
● NEC Class 2	No
MTBF at 40 °C	500 000 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
● IECEx	No
● ATEX	No
● ULhazloc approval	No
● cCSAus, Class 1, Division 2	No
● FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	No
● French marine classification society (BV)	No
● Det Norske Veritas (DNV)	No
● Lloyds Register of Shipping (LRS)	No
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 each for 0.2 ... 2.5 mm²
● at output	+, -: 2 screw terminals each for 0.2 ... 2.5 mm²
mechanical data	
width × height × depth of the enclosure	50 × 125 × 125 mm
installation width × mounting height	50 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	0.5 kg
accessories	
electrical accessories	Redundancy module, buffer module, diagnostics module SITOP select, DC

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	UPS
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: 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	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

General Product Approval

Manufacturer Declaration

CE EG-Konf.

UL UL

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