SIEMENS

Data sheet 6EP1961-3BA21

SITOP PSE202U/Redundancy M./DC24V/40A

SITOP PSE202U redundancy module input/output: 24 V DC/40 A suitable for decoupling two SITOP power supplies with maximal per 20 A output current

input	
type of the power supply network	DC voltage
supply voltage at DC	24 ... 24 V
input voltage at DC	24 ... 28.8 V
output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	24 V
formula for output voltage	Vin - approx. 0.5 V
output voltage	
● at output 1 at DC rated value	24 V
output voltage adjustable	No
display version for normal operation	Green LED for "both Input voltages > switching threshold"; red LED: for "at least one input voltage < switching threshold"
type of signal at output	Isolated relay contact (changeover contacts, rating 8 A/240 V AC, 24 V DC): Signals OK if both input voltages > switching threshold, setting range of threshold 20 ... 25 V
output current	
● rated value	40 A
● rated range	40 A; max. aggregate current 40 A; +60 ... +70 °C: derating 3%/K
efficiency	
efficiency in percent	96.6 %
power loss [W]	
● at rated output voltage for rated value of the output current typical	34 W
● during no-load operation maximum	1.5 W
safety	
galvanic isolation	yes, SELV acc. to EN 60950-1 (relay contact)
operating resource protection class	Class III
protection class IP	IP20
EMC	
standard	
● for emitted interference	EN 55022 Class B
● 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
● CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
● EAC approval	Yes
● NEC Class 2	No
type of certification	

● CB-certificate	No
MTBF at 40 °C	6 471 654 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	Yes
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● French marine classification society (BV)	No
● Det Norske Veritas (DNV)	Yes
● Lloyds Register of Shipping (LRS)	No
ambient conditions	
ambient temperature	
● during operation	-25 ... +60; 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	screw terminal
● at input	Input, output and ground: 1 screw terminal each for 0.33 ... 10 mm² single-core/finely stranded
● for auxiliary contacts	Relay contact: 3 screw terminals for 0.5 ... 2.5 mm² single-core/finely stranded
mechanical data	
width × height × depth of the enclosure	70 × 125 × 120 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	0.5 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

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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

Declaration of Conformity

Marine / Shipping

Marine / Shipping

last modified: 11/25/2024