



SITOP PSE202U/Red. M./DC24V/100VA/NECCL2

SITOP PSE202U NEC Class 2 Redundancy module Input/output: 24 V DC suitable for decoupling two SITOP power supplies Output power restricted to 100 VA

input	
type of the power supply network	DC voltage
supply voltage at DC	24 ... 24 V
input voltage at DC	19 ... 29 V
output	
voltage curve at output	Controlled, isolated DC voltage
output voltage at DC rated value	24 V
formula for output voltage	$V_{in} - \text{approx. } 0.5 \text{ V}$
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" or "output switched off"
type of signal at output	Isolated relay contact (contact rating 6 A/42 V AC, 30 V DC, but max. 100 VA); Contact closed if one or both input voltages < switching threshold or output is switched off. Setting range of switching threshold 20 V $\pm$ 0.5 V to 25 V $\pm$ 0.5 V
output current	
• rated value	3.8 A
• rated range	3.5 A; 4.3 A at 19 V, 2.8 A at 28.5 V; maximum aggregate current in the event of an error according to NEC class 2 limit 8 A
efficiency	
efficiency in percent	94.8 %
power loss [W]	
• at rated output voltage for rated value of the output current typical	5 W
• during no-load operation maximum	2 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; UL-Recognized (UL 60950-1, NEC class 2), File E151273
• CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; UL-Recognized (UL 60950-1, NEC class 2), File E151273
• EAC approval	Yes

• NEC Class 2	Yes; according to UL1310, File E151273
type of certification	
• CB-certificate	No
MTBF at 40 °C	678 210 h
<b>standards, specifications, approvals hazardous environments</b>	
certificate of suitability	
• IECEx	No
• ATEX	No
• ULhazloc approval	No
• cCSAus, Class 1, Division 2	No
• FM registration	No
<b>standards, specifications, approvals marine classification</b>	
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
<b>ambient conditions</b>	
ambient temperature	
• during operation	-20 ... +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
<b>connection method</b>	
type of electrical connection	screw terminal
• at input	Input, output and ground: removable screw terminal, each 1 x 0.5 ... 2.5 mm <sup>2</sup> single-core/finely stranded
• for auxiliary contacts	Relay contact: 2 screw terminals for 0.5 ... 2.5 mm <sup>2</sup> single-core/finely stranded
<b>mechanical data</b>	
width × height × depth of the enclosure	30 × 80 × 100 mm
installation width × mounting height	30 mm × 180 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
• standard rail mounting	Yes
• S7 rail mounting	No
• wall mounting	No
housing can be lined up	Yes
net weight	0.125 kg
<b>accessories</b>	
electrical accessories	Removable spring-type terminal 6EP1971-5BA00
<b>further information internet links</b>	
internet link	
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: power supplies	<a href="https://siemens.com/sitop">https://siemens.com/sitop</a>
• to website: CAX-Download-Manager	<a href="https://siemens.com/cax">https://siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>additional information</b>	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
<b>security information</b>	
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

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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](#)



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