



SITOP PSE202U/Redundancy M./24VDC/10A

SITOP PSE202U 10A Redundancy module Input/output: 24 V DC suitable for decoupling two SITOP power supplies with maximal per 5 A output current

General information	
Technical Product Detail Page	https://i.siemens.com/1P6EP1964-2BA00
input	
type of the power supply network	DC voltage
supply voltage at DC	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"
type of signal at output	Isolated relay contact (contact rating 6 A/42 V AC, 30 V DC): Contact closed if both input voltages > switching threshold, setting range of switching threshold 20 V $\pm$ 0.5V to 25 V $\pm$ 0.5V
output current	
• rated value	10 A
• rated range	10 A; max. aggregate current 10 A
efficiency	
efficiency in percent	97 %
power loss [W]	
• at rated output voltage for rated value of the output current typical	3.6 W
• during no-load operation maximum	1 W
safety	
galvanic isolation between input and output	No
galvanic isolation	relay contact: SELV, ES1 (IEC 62368-1), DVC As (IEC 61204-7)
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

• EAC approval	Yes
• NEC Class 2	No
type of certification	
• CB-certificate	No
MTBF at 40 °C	3 273 000 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
• IECEx	No
• ATEX	No
• ULhazloc approval	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
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	104.3 kg
• during manufacturing	5.5 kg
• during operation	98.5 kg
• after end of life	0.13 kg
ambient conditions	
ambient temperature	
• during operation	-20 ... +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	Input, output and ground: removable screw terminal, each 1 x 0.5 ... 2.5 mm² single-core/finely stranded
• for auxiliary contacts	Relay contact: 2 screw terminals for 0.5 ... 2.5 mm² single-core/finely stranded
mechanical data	
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
• DIN-rail mounting	Yes
• S7 rail mounting	No
• wall mounting	No
housing can be lined up	Yes
net weight	0.125 kg
accessories	
electrical accessories	Removable spring-type terminal 6EP1971-5BA00
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

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Classifications

	Version	Classification
eClass	16	27-04-07-01
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	10	EC002540
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

Approvals Certificates

Environmental Product Declaration

• global warming potential [CO2 eq] / during manufacturing	5.5 kg
• global warming potential [CO2 eq] / during operation	98.5 kg
• global warming potential [CO2 eq] / after end of life	0.13 kg
• global warming potential [CO2 eq] / total	104.3 kg

General Product Approval

[Declaration of Conformity](#)

[Manufacturer Declaration](#)



[China RoHS](#)



General Product Approval



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