SIEMENS

Data sheet 6EP1962-2BA00



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	Vin - approx. 0.5 V
output voltage	
● at output 1 at DC rated value	24 V
product function 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 ±0.5 V to 25 V ±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
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
● cCSAus, Class 1, Division 2	No
● ATEX	No
certificate of suitability	

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● IECEx	No
● NEC Class 2	Yes
● ULhazloc approval	No
● FM registration	No
type of certification CB-certificate	No
certificate of suitability	
● EAC approval	Yes
● C-Tick	No
certificate of suitability shipbuilding approval	No
shipbuilding approval	-
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	No
● French marine classification society (BV)	No
● DNV GL	No
● Lloyds Register of Shipping (LRS)	No
● Nippon Kaiji Kyokai (NK)	No
EMC	
standard	
● for emitted interference	EN 55022 Class B
● for interference immunity	EN 61000-6-2
environmental 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
Mechanics	
type of electrical connection	screw-type terminals
● 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
width of the enclosure	30 mm
height of the enclosure	80 mm
depth of the enclosure	100 mm
required spacing	
● top	50 mm
● bottom	50 mm
● left	0 mm
● right	0 mm
net weight	0.125 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
electrical accessories	Removable spring-type terminal 6EP1971-5BA00
MTBF at 40 °C	678 210 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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