SIEMENS

Data sheet 6EP1962-2BA00

SITOP PSE202U NEC CLASS 2
SITOP PSE202U NEC CLASS 2 REDUNDANCY MODULE INPUT/OUTPUT: 24 V DC FIT FOR DECOUPLING OF 2 SITOP POWER SUPPLY MODULES OUTPUT POWER LIMITED <100 VA

Input	
Input	DC voltage
Supply voltage	
• at DC	24 ... 24 V
Input voltage	
• at DC	19 ... 29 V

Output	
Output	Controlled, isolated DC voltage
Rated voltage Vout DC	24 V
Output voltage	Vin - approx. 0.5 V
Product function Output voltage adjustable	No
Status display	Green LED for "both input voltages > switching threshold"; red LED for "at least one input voltage < switching threshold" or "output switched off"
Signaling	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
Rated current value Iout rated	3.8 A

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Current range	4.6 A
• Note	Maximum aggregate current in the event of an error according to NEC class 2 limit 8 A

Efficiency	
Efficiency at Vout rated, Iout rated, approx.	94.8 %
Power loss at Vout rated, Iout rated, approx.	5 W
Power loss [W] during no-load operation maximum	2 W

Safety	
Galvanic isolation	yes, SELV acc. to EN 60950-1 (relay contact)
Protection class	Class III
CE mark	Yes
UL/CSA approval	Yes
UL/cUL (CSA) approval	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; UL-Recognized (UL 60950-1, NEC class 2), File E151273
Explosion protection	-
Certificate of suitability IECEx	No
Certificate of suitability NEC Class 2	Yes
FM approval	-
CB approval	No
Approvals	No
Marine approval	-
Degree of protection (EN 60529)	IP20

EMC	
Emitted interference	EN 55022 Class B
Noise immunity	EN 61000-6-2

Operating data	
Ambient temperature	
• during operation	-20 ... +70 °C
— Note	with natural convection
• during transport	-40 ... +85 °C
• during storage	-40 ... +85 °C
Humidity class according to EN 60721	Climate class 3K3, no condensation

Mechanics	
Connection technology	screw-type terminals
Connections	
• Supply input	Input, output and ground: removable screw terminal, each 1 x 0.5 ... 2.5 mm² single-core/finely stranded
• Auxiliary	Relay contact: 1 screw terminal each 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

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Weight, approx.	0.125 kg
Product feature of the enclosure housing for side-by-side mounting	Yes
Installation	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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