

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	
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
• output voltage at output 1 at DC rated value	24 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
Current range	3.5 A
• Note	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 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
Degree of protection (EN 60529)	IP20
Approvals	
CE mark	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 NEC Class 2	Yes
FM approval	-
CB approval	No
certificate of suitability EAC approval	Yes
Marine approval	-
EMC	
Emitted interference	EN 55022 Class B
Noise immunity	EN 61000-6-2
environmental conditions	
ambient temperature	

<ul style="list-style-type: none"> <li>• during operation <ul style="list-style-type: none"> <li>— Note</li> </ul> </li> <li>• during transport</li> <li>• during storage</li> </ul>	-20 ... +70 °C with natural convection -40 ... +85 °C -40 ... +85 °C
Humidity class according to EN 60721	Climate class 3K3, 5 ... 95% no condensation
<b>Mechanics</b>	
Connection technology	screw-type terminals
Connections <ul style="list-style-type: none"> <li>• Supply input</li> <li>• Auxiliary</li> </ul>	Input, output and ground: removable screw terminal, each 1 x 0.5 ... 2.5 mm <sup>2</sup> single-core/finely stranded Relay contact: 2 screw terminals for 0.5 ... 2.5 mm <sup>2</sup> single-core/finely stranded
width of the enclosure	30 mm
height of the enclosure	80 mm
depth of the enclosure	100 mm
required spacing <ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	50 mm 50 mm 0 mm 0 mm
Weight, approx.	0.125 kg
product feature of the enclosure housing can be lined up	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)

