

SITOP PSE202U/REDUNDANCY M./DC24V/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



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 $V_{out}$ DC	24 V
• Output voltage	$V_{in}$ - 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"
Signaling	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
Rated current value $I_{out}$ rated	10 A
Current range	10 A
• Note	max. aggregate current 10 A

Efficiency	
Efficiency at Vout rated, Iout rated, approx.	97.1 %
Power loss at Vout rated, Iout rated, approx.	3.6 W
power loss [W] during no-load operation maximum	1 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
Explosion protection	-
certificate of suitability NEC Class 2	No
FM approval	-
CB approval	No
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</li> <li>— Note</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

Mechanics	
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 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	3 273 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)