



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 supply voltage	DC 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"
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 ± 0.5V to 25 V ± 0.5V
Rated current value Iout 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
certificate of suitability EAC approval	Yes
Marine approval	-
<b>EMC</b>	
Emitted interference	EN 55022 Class B
Noise immunity	EN 61000-6-2
<b>environmental conditions</b>	
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, 5 ... 95% no condensation
<b>Mechanics</b>	
Connection technology	screw-type terminals
Connections	
• Supply input	Input, output and ground: removable screw terminal, each 1 x 0.5 ... 2.5 mm <sup>2</sup> single-core/finely stranded
• Auxiliary	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	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	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	3 273 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

