

SITOP PSE202U NEC CLASS 2
 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 supply voltage	DC voltage
<ul style="list-style-type: none"> at DC 	24 ... 24 V
input voltage	
<ul style="list-style-type: none"> at DC 	19 ... 29 V
Output	
Output	Controlled, isolated DC voltage
Rated voltage V_{out} DC	24 V
<ul style="list-style-type: none"> 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" 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 \pm 0.5 V to 25 V \pm 0.5 V
Rated current value I_{out} rated	3.8 A

Current range	3.5 A
<ul style="list-style-type: none"> 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
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"> during operation — Note during transport during storage 	-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"> Supply input Auxiliary 	Input, output and ground: removable screw terminal, each 1 x 0.5 ... 2.5 mm ² single-core/finely stranded Relay contact: 2 screw terminals for 0.5 ... 2.5 mm ² 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"> • top • bottom • left • right 	<p>50 mm</p> <p>50 mm</p> <p>0 mm</p> <p>0 mm</p>
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)