



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 | |
|---|--|
| type of the power supply network | DC voltage |
| supply voltage | |
| • at DC | 24 ... 24 V |
| input voltage | |
| • at DC | 19 ... 29 V |
| Output | |
| voltage curve at output | Controlled, isolated DC voltage |
| output voltage at DC rated value | 24 V |
| formula for output voltage | $V_{in} - \text{approx. } 0.5 \text{ V}$ |
| output voltage | |
| • at output 1 at DC rated value | 24 V |
| product function output voltage adjustable | No |
| display version for normal operation | Green LED for "both Input voltages > switching threshold"; red LED: for "at least one input voltage < switching threshold" |
| type of signal at output | 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 $20 \text{ V} \pm 0.5 \text{ V}$ to $25 \text{ V} \pm 0.5 \text{ V}$ |
| output current | |
| • rated value | 10 A |
| • rated range | 10 A; max. aggregate current 10 A |
| Efficiency | |
| efficiency in percent | 97.1 % |
| power loss [W] | |
| • at rated output voltage for rated value of the output current typical | 3.6 W |
| • during no-load operation maximum | 1 W |
| Safety | |
| galvanic isolation | yes, SELV acc. to EN 60950-1 (relay contact) |
| operating resource protection class | Class III |
| protection class IP | IP20 |
| Approvals | |
| certificate of suitability | |
| • CE marking | Yes |
| • UL approval | Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 |
| • CSA approval | Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 |
| • cCSAus, Class 1, Division 2 | No |
| • ATEX | No |
| certificate of suitability | |
| • IECEx | No |

| | |
|---|--|
| <ul style="list-style-type: none"> • NEC Class 2 • ULhazloc approval • FM registration | No |
| type of certification CB-certificate | No |
| certificate of suitability <ul style="list-style-type: none"> • EAC approval • C-Tick | Yes No |
| certificate of suitability shipbuilding approval | No |
| shipbuilding approval | - |
| Marine classification association <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) | No No No No No |
| EMC | |
| standard <ul style="list-style-type: none"> • for emitted interference • for interference immunity | EN 55022 Class B EN 61000-6-2 |
| environmental conditions | |
| ambient temperature <ul style="list-style-type: none"> • during operation • during transport • during storage | -20 ... +70 °C; with natural convection -40 ... +85 °C -40 ... +85 °C |
| environmental category acc. to IEC 60721 | Climate class 3K3, 5 ... 95% no condensation |
| Mechanics | |
| type of electrical connection <ul style="list-style-type: none"> • at input • for auxiliary contacts | screw-type terminals 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 | 50 mm 50 mm 0 mm 0 mm |
| net weight | 0.125 kg |
| product feature of the enclosure housing can be lined up | Yes |
| fastening method | 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) |

