



SITOP RED1200/DC24/48V/2X40A

SITOP RED1200 redundancy module input/output: DC 24/48V/80 A Suitable for decoupling two SITOP power supplies with maximal per 40 A output current

| Input | |
|---|---|
| type of the power supply network | DC voltage |
| supply voltage | |
| • at DC | 12 ... 48 V |
| input voltage | |
| • at DC | 10 ... 58 V |
| Output | |
| voltage curve at output | Controlled DC voltage |
| number of outputs | 1 |
| output voltage at DC rated value | 24 V |
| formula for output voltage | $V_{in} - \text{approx. } 0.6 \text{ V}$ |
| output voltage | |
| • at output 1 at DC rated value | 24 V |
| product function output voltage adjustable | No |
| output current | |
| • rated value | 80 A |
| product feature | |
| • bridging of equipment | No |
| Efficiency | |
| efficiency in percent | 97.5 % |
| power loss [W] | |
| • at rated output voltage for rated value of the output current typical | 46 W |
| • during no-load operation maximum | 0.1 W |
| Safety | |
| galvanic isolation between input and output | No |
| 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; CSA C22.2 No. 62368-1 |
| • cCSAus, Class 1, Division 2 | No |
| • ATEX | No |
| certificate of suitability | |
| • IECEx | No |
| • NEC Class 2 | No |
| • ULhazloc approval | No |
| • FM registration | No |

| | |
|--|---|
| certificate of suitability shipbuilding approval | No |
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | No |
| • French marine classification society (BV) | No |
| • DNV GL | No |
| • Lloyds Register of Shipping (LRS) | No |
| • Nippon Kaiji Kyokai (NK) | No |
| EMC | |
| standard | |
| • for emitted interference | EN 61000-6-3 |
| • for interference immunity | EN 61000-6-2 |
| environmental conditions | |
| ambient temperature | |
| • during operation | -30 ... +70 °C; with natural convection |
| • during transport | -40 ... +85 °C |
| • during storage | -40 ... +85 °C |
| environmental category according to IEC 60721 | Climate class 3K3, 5 ... 95% no condensation |
| Mechanics | |
| type of electrical connection | push-in terminals |
| • at input | In1, In2: each for 0.75 ... 16 mm ² |
| • at output | Out1, Out2: 0.75 ... 16 mm ² |
| width of the enclosure | 45 mm |
| height of the enclosure | 135 mm |
| depth of the enclosure | 125 mm |
| required spacing | |
| • top | 45 mm |
| • bottom | 45 mm |
| • left | 0 mm |
| • right | 0 mm |
| net weight | 1.01 kg |
| product feature of the enclosure housing can be lined up | Yes |
| fastening method | Snaps onto DIN rail EN 60715 35x7.5/15 |
| MTBF at 40 °C | 4 900 000 h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |



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