SIEMENS

## Data sheet 6EP4347-7RB00-0AX0

SITOP RED1200/RED.M./DC24/48V/2X20A

SITOP RED1200 redundancy module Input/output: 24/48 V DC/40 A Suitable for decoupling two SITOP power supplies with max. 20 A output current each

| | |
|---|---|
| **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 | Vin - approx. 0.6 V |
| output voltage | |
| ● at output 1 at DC rated value | 24 V |
| product function output voltage adjustable | No |
| output current | |
| ● rated value | 40 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 | 25 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 mm² |
| ● at output | Out1: 0.75 ... 16 mm² |
| 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 | 0.51 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 | 6 100 000 h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |