

SITOP DUAL 2X 15 V/3,5 A

\*\*\*\*\* spare part \*\*\*\*\* SITOP power 15 V dual output stabilized power supply input: 120-230 V AC output: 2X 15 V DC/3.5 A

| input  |   |
|--|---|
| type of the power supply network   | 1-phase AC  |
| supply voltage at AC   |   |
| • minimum rated value  | 120 V   |
| • maximum rated value  | 230 V   |
| • initial value  | 93 V  |
| • full-scale value   | 264 V   |
| wide range input   | Yes   |
| overvoltage overload capability  | Surge voltage in accordance with EN 61000-6-2 Table 4   |
| buffering time for rated value of the output current in the event of power failure minimum | 10 ms   |
| operating condition of the mains buffering   | at $V_{in} = 120\text{ V}$ , 40 ms at $V_{in} = 187\text{ V}$                                   |
| line frequency   | 50/60 Hz  |
| line frequency   | 47 ... 63 Hz  |
| input current  |   |
| • at rated input voltage 120 V   | 1.9 A   |
| • at rated input voltage 230 V   | 1.15 A  |
| current limitation of inrush current at 25 °C maximum                                      | 30 A  |
| duration of inrush current limiting at 25 °C   |   |
| • typical  | 3 ms  |
| I <sup>2</sup> t value maximum   | 3 A <sup>2</sup> ·s   |
| fuse protection type   | T 4 A/250 V (not accessible)  |
| fuse protection type in the feeder   | Recommended miniature circuit breaker: from 10 A characteristic C or from 16 A characteristic B |
| output   |   |
| voltage curve at output  | Controlled, isolated DC voltage   |
| output voltage at DC rated value   | 15 V  |
| formula for output voltage   | 2 x 15 V DC   |
| output voltage   |   |
| • at output 1 at DC rated value  | 15 V  |
| • at output 2 at DC rated value  | 15 V  |
| output voltage adjustable  | Yes; via potentiometer  |
| adjustable output voltage  | 14.5 ... 17 V   |
| relative overall tolerance of the voltage  | 2 %   |
| relative control precision of the output voltage   |   |
| • on slow fluctuation of input voltage   | 0.2 %   |
| • on slow fluctuation of ohm loading   | 0.2 %   |
| residual ripple  |   |
| • maximum  | 50 mV   |
| • typical  | 20 mV   |
| voltage peak   |   |
| • maximum  | 150 mV  |
| display version for normal operation   | Green LED grün for $V_{out} > 10\text{ V}$ (summation display)                                  |
| type of signal at output   | -   |
| behavior of the output voltage when switching on   | Overshoot of $V_{out} < 3\%$  |
| response delay maximum   | 1 s   |
| output current   |   |
| • rated value  | 3.5 A   |

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• at output 1 rated value</li> <li>• at output 2 rated value</li> <li>• rated range</li> </ul>   | <p>3.5 A<br/>3.5 A<br/>0 ... 3.5 A; +45 ... +60 °C: Derating 2%/K</p>           |
| supplied active power typical   | 105 W   |
| bridging of equipment   | Yes   |
| number of parallel-switched equipment resources for increasing the power  | 2   |
| <b>efficiency</b>   |   |
| efficiency in percent   | 80 %  |
| power loss [W]  | 27 W  |
| <ul style="list-style-type: none"> <li>• at rated output voltage for rated value of the output current typical</li> </ul>   |   |
| <b>protection and monitoring</b>  |   |
| design of the overvoltage protection  | Yes, according to EN 60950-1  |
| property of the output short-circuit proof  | Yes   |
| design of short-circuit protection  | Electronic shutdown, automatic restart  |
| response value current limitation   | 4.9 A   |
| design of the current limitation  | Limit point < 4.9 A; switch-off point < 6 A                                     |
| <b>safety</b>   |   |
| galvanic isolation between input and output   | Yes   |
| galvanic isolation  | Safety extra low output voltage $V_{out}$ according to EN 60950-1               |
| operating resource protection class   | Class I   |
| leakage current   | 3.5 mA  |
| <ul style="list-style-type: none"> <li>• maximum</li> </ul>   |   |
| protection class IP   | IP20  |
| <b>EMC</b>  |   |
| standard  | EN 55011 Class A<br>-<br>EN 61000-6-2   |
| <ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for mains harmonics limitation</li> <li>• for interference immunity</li> </ul>   |   |
|   |   |
| <b>standards, specifications, approvals</b>   |   |
| certificate of suitability  | Yes<br>Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E179336<br>Yes<br>No |
| <ul style="list-style-type: none"> <li>• CE marking</li> <li>• UL approval</li> <li>• EAC approval</li> <li>• NEC Class 2</li> </ul>  |   |
| type of certification   |   |
| <ul style="list-style-type: none"> <li>• CB-certificate</li> </ul>  |   |
| <b>standards, specifications, approvals hazardous environments</b>  |   |
| certificate of suitability  | No<br>No<br>No<br>No  |
| <ul style="list-style-type: none"> <li>• IECEx</li> <li>• ATEX</li> <li>• ULhazloc approval</li> <li>• FM registration</li> </ul>   |   |
|   |   |
|   |   |
| <b>standards, specifications, approvals marine classification</b>   |   |
| shipbuilding approval   | No  |
| Marine classification association   | No<br>No<br>No<br>No  |
| <ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• French marine classification society (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Lloyds Register of Shipping (LRS)</li> </ul> |   |
|   |   |
|   |   |
| <b>ambient conditions</b>   |   |
| ambient temperature   | 0 ... 60 °C; with natural convection<br>-40 ... +70 °C<br>-40 ... +70 °C        |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>  |   |
|   |   |
| environmental category according to IEC 60721   | Climate class 3K3, 5 ... 95% no condensation                                    |
| <b>connection method</b>  |   |
| type of electrical connection   | screw terminal  |

- at input
- at output
- for auxiliary contacts

L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm<sup>2</sup> single-core/finely stranded  
 P15\_1, GND\_1, GND\_2: 1 screw terminal each for 0.5 ... 2.5 mm<sup>2</sup>; P15\_2: 2 screw terminals for 0.5 ... 2.5 mm<sup>2</sup>  
 -

#### mechanical data

|   |  |
|---|--|
| width × height × depth of the enclosure | 75 × 125 × 125 mm                      |
| installation width × mounting height    | 75 mm × 325 mm                         |
| required spacing                        |  |
| • top                                   | 100 mm                                 |
| • bottom                                | 100 mm                                 |
| • left                                  | 0 mm                                   |
| • right                                 | 0 mm                                   |
| fastening method                        | Snaps onto DIN rail EN 60715 35x7.5/15 |
| • DIN-rail mounting                     | Yes                                    |
| • S7 rail mounting                      | No                                     |
| • wall mounting                         | No                                     |
| housing can be lined up                 | Yes                                    |
| net weight                              | 0.75 kg                                |

#### further information internet links

|   |   |
|---|---|
| internet link                                   |   |
| • to website: Industry Mall                     | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>       |
| • to web page: selection aid TIA Selection Tool | <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>         |
| • to website: CAx-Download-Manager              | <a href="https://siemens.com/cax">https://siemens.com/cax</a>                           |
| • to website: Industry Online Support           | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |

#### additional information

|                   |   |
|-------------------|---|
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |
|-------------------|---|

#### security information

|                      |  |
|----------------------|--|
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7) |
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#### Classifications

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 27-04-07-01    |
| eClass | 12      | 27-04-07-01    |
| eClass | 9.1     | 27-04-07-01    |
| eClass | 9       | 27-04-07-01    |
| eClass | 8       | 27-04-90-02    |
| eClass | 7.1     | 27-04-90-02    |
| eClass | 6       | 27-04-90-02    |
| ETIM   | 10      | EC002540       |
| ETIM   | 9       | EC002540       |
| ETIM   | 8       | EC002540       |
| ETIM   | 7       | EC002540       |
| IDEA   | 4       | 4130           |

## Approvals Certificates

## General Product Approval

[Manufacturer Declaration](#)[China RoHS](#)

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