

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



| Input | |
|--|---|
| Input | 1-phase AC |
| Rated voltage value V_{in} rated | 120 ... 230 V |
| Voltage range AC | 93 ... 264 V |
| Wide-range input | Yes |
| Overvoltage resistance | Surge voltage in accordance with EN 61000-6-2 Table 4 |
| Mains buffering at I_{out} rated, min. | 10 ms; at $V_{in} = 120$ V, 40 ms at $V_{in} = 187$ V |
| Rated line frequency 1 | 50 Hz |
| Rated line frequency 2 | 60 Hz |
| Rated line range | 47 ... 63 Hz |
| Input current | |
| • at rated input voltage 120 V | 1.9 A |
| • at rated input voltage 230 V | 1.15 A |
| Switch-on current limiting (+25 °C), max. | 30 A |
| Duration of inrush current limiting at 25 °C | |
| • typical | 3 ms |
| I^2t , max. | 3 A ² ·s |
| Built-in incoming fuse | T 4 A/250 V (not accessible) |

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| Protection in the mains power input (IEC 898) | Recommended miniature circuit breaker: from 10 A characteristic C or from 16 A characteristic B |
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Output

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| Output | Controlled, isolated DC voltage |
| Rated voltage Vout DC | 15 V |
| Output voltage | 2 x 15 V DC |
| <ul style="list-style-type: none"> • at output 1 at DC Rated value • at output 2 at DC Rated value | 15 V 15 V |
| Total tolerance, static ± | 2 % |
| Static mains compensation, approx. | 0.2 % |
| Static load balancing, approx. | 0.2 % |
| Residual ripple peak-peak, max. | 50 mV |
| Residual ripple peak-peak, typ. | 20 mV |
| Spikes peak-peak, max. (bandwidth: 20 MHz) | 150 mV |
| Adjustment range | 14.5 ... 17 V |
| Product function Output voltage adjustable | Yes |
| Output voltage setting | via potentiometer |
| Status display | Green LED grün for Vout >10 V (summation display) |
| Signaling | - |
| On/off behavior | Overshoot of Vout < 3 % |
| Startup delay, max. | 1 s |
| Rated current value Iout rated | 3.5 A |
| Output current | |
| <ul style="list-style-type: none"> • at output 1 Rated value • at output 2 Rated value | 3.5 A 3.5 A |
| Current range | 0 ... 3.5 A |
| <ul style="list-style-type: none"> • Note | +45 ... +60 °C: Derating 2%/K |
| Supplied active power typical | 105 W |
| Parallel switching for enhanced performance | Yes |
| Numbers of parallel switchable units for enhanced performance | 2 |

Efficiency

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| Efficiency at Vout rated, Iout rated, approx. | 80 % |
| Power loss at Vout rated, Iout rated, approx. | 27 W |

Protection and monitoring

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| Output overvoltage protection | Yes, according to EN 60950-1 |
| Current limitation | 4.9 A |
| Current limitation | Limit point < 4.9 A; switch-off point < 6 A |
| Property of the output Short-circuit proof | Yes |
| Short-circuit protection | Electronic shutdown, automatic restart |
| Overload/short-circuit indicator | - |

Safety

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| Primary/secondary isolation | Yes |
| Galvanic isolation | Safety extra low output voltage V_{out} according to EN 60950-1 |
| Protection class | Class I |
| Leakage current | |
| • maximum | 3.5 mA |
| CE mark | Yes |
| UL/cUL (CSA) approval | cULus-Listed (UL 508, CSA C22.2 No. 142), File E179336 |
| Explosion protection | - |
| FM approval | - |
| CB approval | No |
| Marine approval | - |
| Degree of protection (EN 60529) | IP20 |

EMC

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|-----------------------------|------------------|
| Emitted interference | EN 55011 Class A |
| Supply harmonics limitation | - |
| Noise immunity | EN 61000-6-2 |

Operating data

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| Ambient temperature | |
| • during operation | 0 ... 60 °C |
| — Note | with natural convection |
| • during transport | -40 ... +70 °C |
| • during storage | -40 ... +70 °C |
| Humidity class according to EN 60721 | Climate class 3K3, no condensation |

Mechanics

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| Connection technology | screw-type terminals |
| Connections | |
| • Supply input | L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm ² single-core/finely stranded |
| • Output | P15_1, GND_1, GND_2: 1 screw terminal each for 0.5 ... 2.5 mm ² ; P15_2: 2 screw terminals for 0.5 ... 2.5 mm ² |
| • Auxiliary | - |
| Width of the enclosure | 75 mm |
| Height of the enclosure | 125 mm |
| Depth of the enclosure | 125 mm |
| Required spacing | |
| • top | 100 mm |
| • bottom | 100 mm |
| • left | 0 mm |
| • right | 0 mm |
| Weight, approx. | 0.75 kg |
| Product feature of the enclosure housing for side-by-side mounting | Yes |

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| Installation | Snaps onto DIN rail EN 60715 35x7.5/15 |
| Other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |