

Input

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| Input voltage range | 80-160VDC |
| Inrush current | max. 32ADC, limited by 5Ω - NTC |
| Fuse | 16 AT externally |
| No load input current | ca. 68mA at 110VDC |
| Switch on delay time | 2s |
| Hold up time | >15ms at 110VDC and nominal output load |
| Polarity protection | yes |
| Turn on/off | > 76VDC / >168VDC |
| Spikes | acc. EN 61000-4-5, Class 3 |
| Bursts | acc. EN 61000-4-4, Level 3 |

Output

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| Output voltage | 110VDC standard setting, (adjustable from 100VDC to 130VDC only by factory). |
| Output current | 6,5ADC up to 130VDC |
| Boost-Function | max. output current app. 26ADC for $10\text{ms} \leq t \leq 15\text{ms}$ |
| Overload protection | electronically - UI- characteristic |
| Short circuit protection | electronically |
| Voltage regulation/ Load regulation | $\pm 2\%$, measured directly on the connector |
| Ripple | < 1100mVss typ. |
| Load transient 10-90-10% | typ. 6% |
| On/off overshoot | none |
| Over voltage protection | switch off at $U_{out} > 140\text{VDC}$, not automatic restart, no protection for external over voltage connected internally (optionally can be executed on connector) |
| Sense lines | active ORing decoupling. The ORing FET can be monitored |
| Parallel-/redundant Connection | the current sharing for 2 units will be approx. 30/70% |
| Active current sharing | using the active current sharing in a parallel connection, the communication between the units is done by the use of a current share bus. Thereby a current symmetry off < 1.5A can be achieved. It's possible to connect up to 4 units in parallel. The length of the interconnection wire does not exceed 1m. |
| Alarm Signals | over potential free contacts, when U_{out} is <90VDC (NOC=open, NCC=closed). |

General Data

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|-----------------------------|---|
| Operating temperature | -20°C to +55°C |
| Current derating | from +55°C to +75°C about 2,5%/°C with a free convection. (The current reduction is not automatically. That's why the user must take care about) |
| Storage temperature | -40°C to +85°C |
| Humidity | 75% without condensation |
| Efficiency | |
| at nominal load | >90% |
| Power dissipation | max.100W |
| Over temperature protection | shut off, at hot spot off about 100°C. Automatically restart after cooling down. |

Construction / Isolation

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| RFI interference | acc. EN 61010, SELV |
| EMC / CE | acc. EN 55011"A" acc. EN 61000-6-4, EN 61000-6-2 Grounding the input and/or output potentials, connecting input to output, may cause changes in EMC or ripple levels. |
| Protection class | I acc. EN 61140 |
| Visual Indications | green LED U_{in} = Input voltage on green LED U_{out} = Output voltage ok (DC ok.) |
| Case | for chassis mount IP 20, Alu varnished, RAL7035 |
| Connection | plug in terminals on the front panel. The external connector is part of delivery. |
| Weight | app. 4kg |