

Input

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| Input voltage range | 160-280VDC |
| Inrush current | max. 40ADC, limited by 7Ω - NTC |
| Fuse | 10 AT externally |
| No load input current | ca. 40mA at 220VDC |
| Switch on delay time | 2s |
| Hold up time | >15ms at 220VDC and nominal output load |
| Polarity protection | yes |
| Turn on/off | > 144VDC / >294VDC |
| Spikes | acc. EN 61000-4-5, Class 3 |
| Bursts | acc. EN 61000-4-4, Level 3 |

Output

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| Output voltage | 48VDC standard setting, (adjustable from 42VDC to 56VDC only by factory). |
| Output current | 16ADC up to output voltage 50VDC, U _{out} > 50VDC 15ADC |
| Boost-Function | max. output current app. 64ADC for 10ms ≤ t ≤ 15ms |
| Overload protection | electronically - UI- characteristic |
| Short circuit protection | electronically |
| Voltage regulation/ Load regulation | ± 2%, measured directly on the connector |
| Ripple | < 500mV _{ss} typ. |
| Load transient 10-90-10% | typ. 6% |
| On/off overshoot | none |
| Over voltage protection | switch off at U _{out} >60VDC, not automatic restart, no protection for external over voltage |
| Sense lines | connected internally (optionally can be executed on connector) |
| Parallel-/redundant Connection | active ORing decoupling. The ORing FET can be monitored 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 <40VDC (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 |