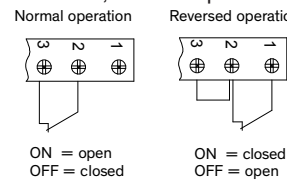
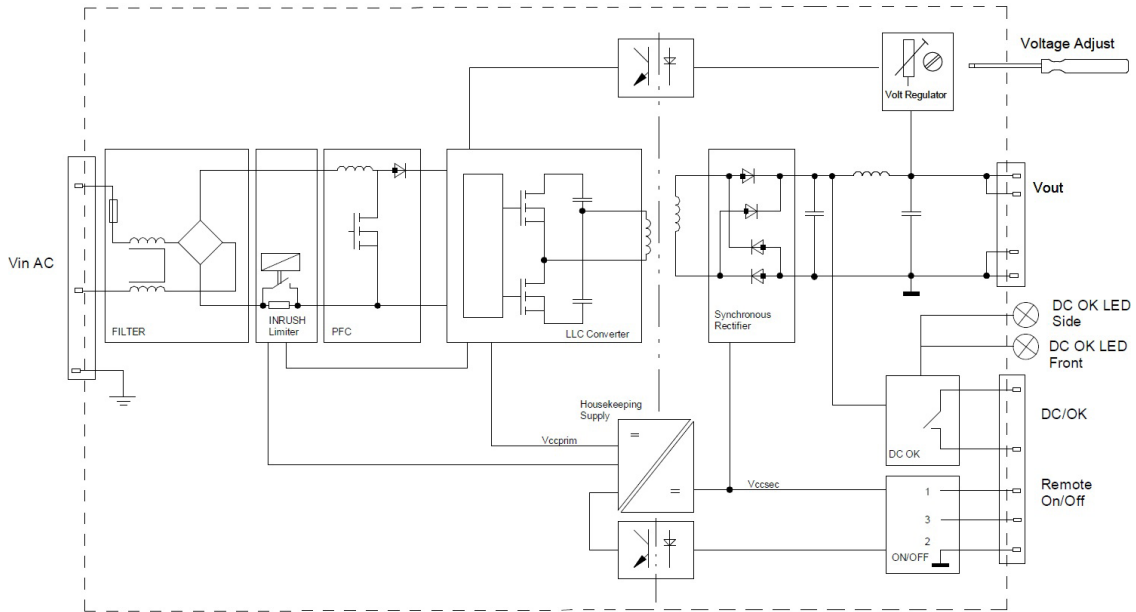


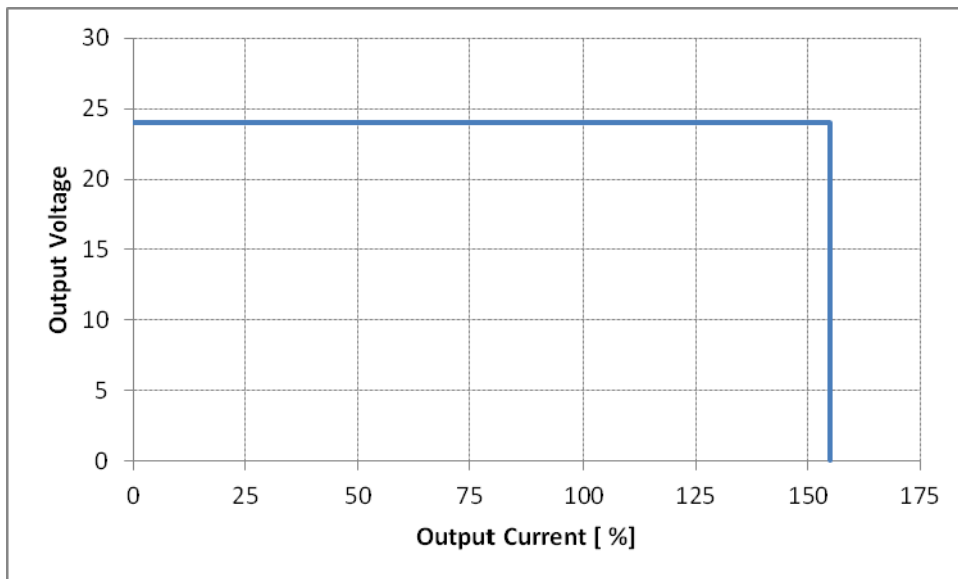
General Specifications

| | | |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature range | | -40°C to +70°C max. |
| Derating | 24 Vout models: 48 Vout models: | 2 %/K above +60°C 1.4 %/K above +55°C |
| Cooling | | convection cooling, no internal fan |
| Overtemperature protection | | switch off at overtemperature |
| Humidity (non condensing) | | 5–95 % rel. H max. |
| Altitude during operation | | 2000 m max. |
| Isolation Voltage | – Input/Ouput – Input/Chassis – Ouput/Chassis | 4250 VDC 1500 VDC 750 VDC |
| Creepage Clearance | – Input/Ouput – Input/Chassis – Output/Chassis | 8 mm 4 mm 1.5 mm |
| MTBF (acc. to IEC 61709 at 25°C) | | > 1'000'000 h |
| Safety standards | – Information technology equipment – Safety low voltage switchgear and controlgear – ATEX for hazardous location (EX models only) – UL HazLoc (EX models only) – Certification documents | IEC/EN 60950-1, UL 60950-1 CSA 22.2 No 60950-1-03 UL 508 EN 60079-0, EN 60079-7, EN 60079-15 (EX II3G Ex ec nC IIC GC) Class I, Division 2 www.tracopower.com/overview/tib |
| Electromagnetic compatibility (EMC), Emissions | – Conducted emission input – Radiated RI emission | EN 61000-6-3, EN 61204-3 EN 55032, EN 55011 class B EN 55032, EN 55011 class B |
| Electromagnetic compatibility (EMC), Immunity | – Railway applications signalling apparatus – Railway applications rolling stock apparatus – Electrostatic discharge (ESD) – Radiated RF field immunity – Electrical fast transient / burst immunity – Surge immunity – Immunity to conducted RF disturbances – Power frequency field immunity – Mains voltage dips and interruptions – Voltage sag immunity | EN 61000-6-2, EN 61204-3 EN 50121-4 EN 50121-3-2 IEC/EN 61000-4-2 4 kV/8 kV criteria A IEC/EN 61000-4-3 10 V/m criteria A IEC/EN 61000-4-4 2 kV criteria B IEC/EN 61000-4-5 1 kV/2 kV criteria B IEC/EN 61000-4-6 10 V criteria A IEC/EN 61000-4-8 30 A/m criteria A IEC/EN 61000-4-11 criteria B/C SEMI F47 (230 VAC) criteria A |
| Environment | – Railway applications shock and vibration only fulfilled with optional DIN Rail Clip TIB-RMK01 – Vibration acc. IEC 60068-2-6-3 – Shock acc. IEC 60068-2-27 | according EN 61373 www.tracopower.com/products/tib-rmk01.pdf 3 axis, 2 g sine sweep, 10–55 Hz, 11 okt/min 3 axis, 25 g half sine, 11 ms |
| Enclosure material | – Chassis / Cover | aluminium / stainless steel |
| Mounting | – DIN-rail mounting | for DIN-rails as per EN 50022-35×15/7.5 |
| Environmental compliance | – Reach – RoHS | www.tracopower.com/info/reach-declaration.pdf RoHS directive 2011/65/EU |
| Connection | | screw terminals |
| Remote On/Off | – contact rating – signal assignment | The unit can be controlled by external relay contact or open collector signal. open: 15V; leakage current max 100µA close: 0.3V; max drop at 15 mA  |

Function Specification



Output Characteristic



Characteristic: Output voltage vs output current for overload conditions until switch off after 4s at nominal input voltages