

DC power-supply and DC/DC-converter series NG 500

Output voltage 5 ... 30V DC, current up to 1.2A

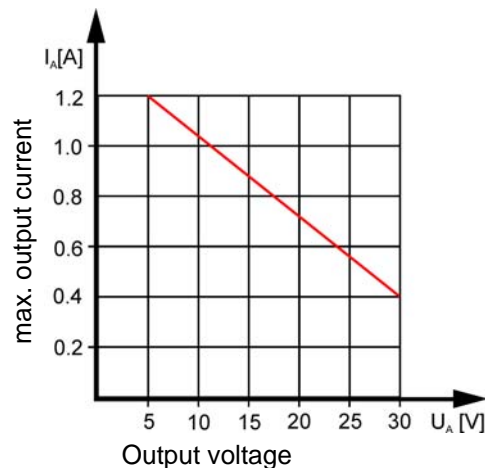


Features

- Adjustable output voltage 5 ... 30V DC
- Stabilized, short-circuit-proof, output isolated
- Power limiting with positive characteristic (selfstart after short circuit)
- Serial connection of multiple devices possible
- Supply voltage 85 ... 265 V AC or 18 ... 30 V DC
- Power on LED
- 22.5 mm case for DIN rail mounting



Output derating

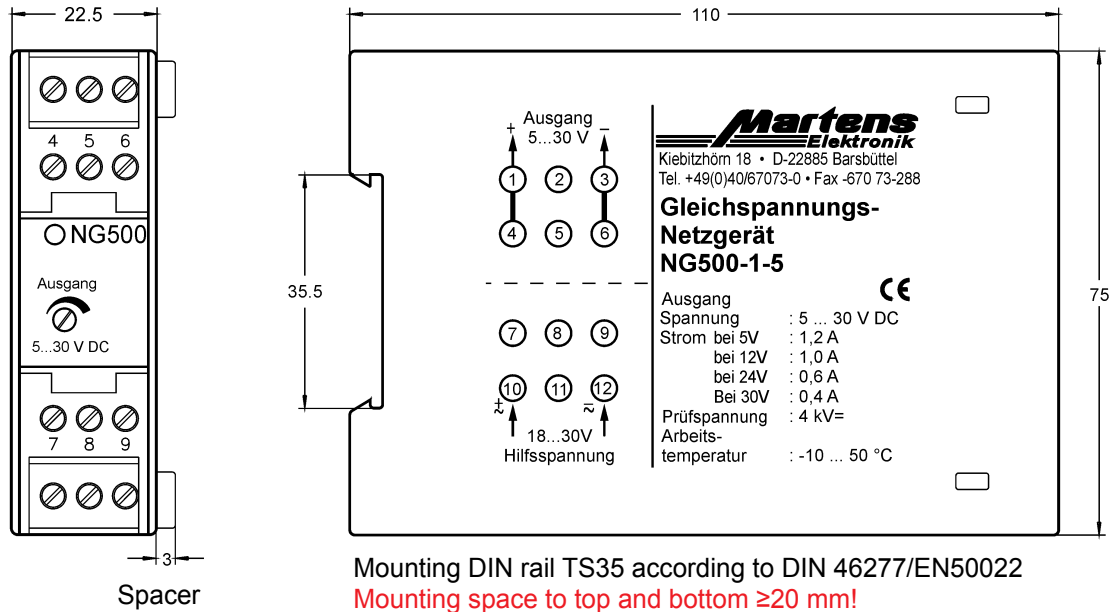


Ordering code

AC/DC-supply	Input	Output*
NG500-1-0	85 ... 265 V AC/DC	5 ... 30 V DC
DC/DC-converter		
NG500-1-5	18 ... 30 V DC	5 ... 30 V DC

*The output voltage is factory set to min. output value at delivery.

Dimensions and connection diagram



Technical data

Supply voltage

NG500-1-0	: 85 ... 265 V AC, 47 ... 63 Hz or 85 ... 380 V DC
NG500-1-5	: 18 ... 30 V DC
Efficiency factor	: >80 % (output 24 V, 0.6 A)
Power factor AC voltage	: 0.7 (output 24 V, 0.6 A) (NG500-1-0)
Operating temperature	: -10 ... 50 °C
Rated voltage	: 500 V \approx according to VDE 0110 group 2
Test voltage (transformer)	: 4 kV \approx according to VDE0551/EN60762
CE -conformity	: according to EN55022, EN60555-2, IEC61000-4-4/5/11

Output

Output voltage	: 5 ...30 V DC, adjustable with 20 turn-trimmer
Max. Output current	: see diagram page1; e.g 0.6 A at 24 V
Overload	: output voltage will be reduced (see diagram page1) If $I_A > 1.2$ A (switch off to approx. 1s.)
Short circuit current	: < 4 A (only for a short rush-in-time)
Residual ripple	: < 30 mV
Load control	: < 70 mV
Temperature coeff.	: < 2 mV/K

Case

Case	: standard case of polycarbonate 8020 UL94V-1
Weight	: approx. 200 g
Connection	: screw terminals with pressure plate max. 2.5 mm ² , wire
Protection	: case IP30 , terminals IP20 finger save acc. to German BGV A3