

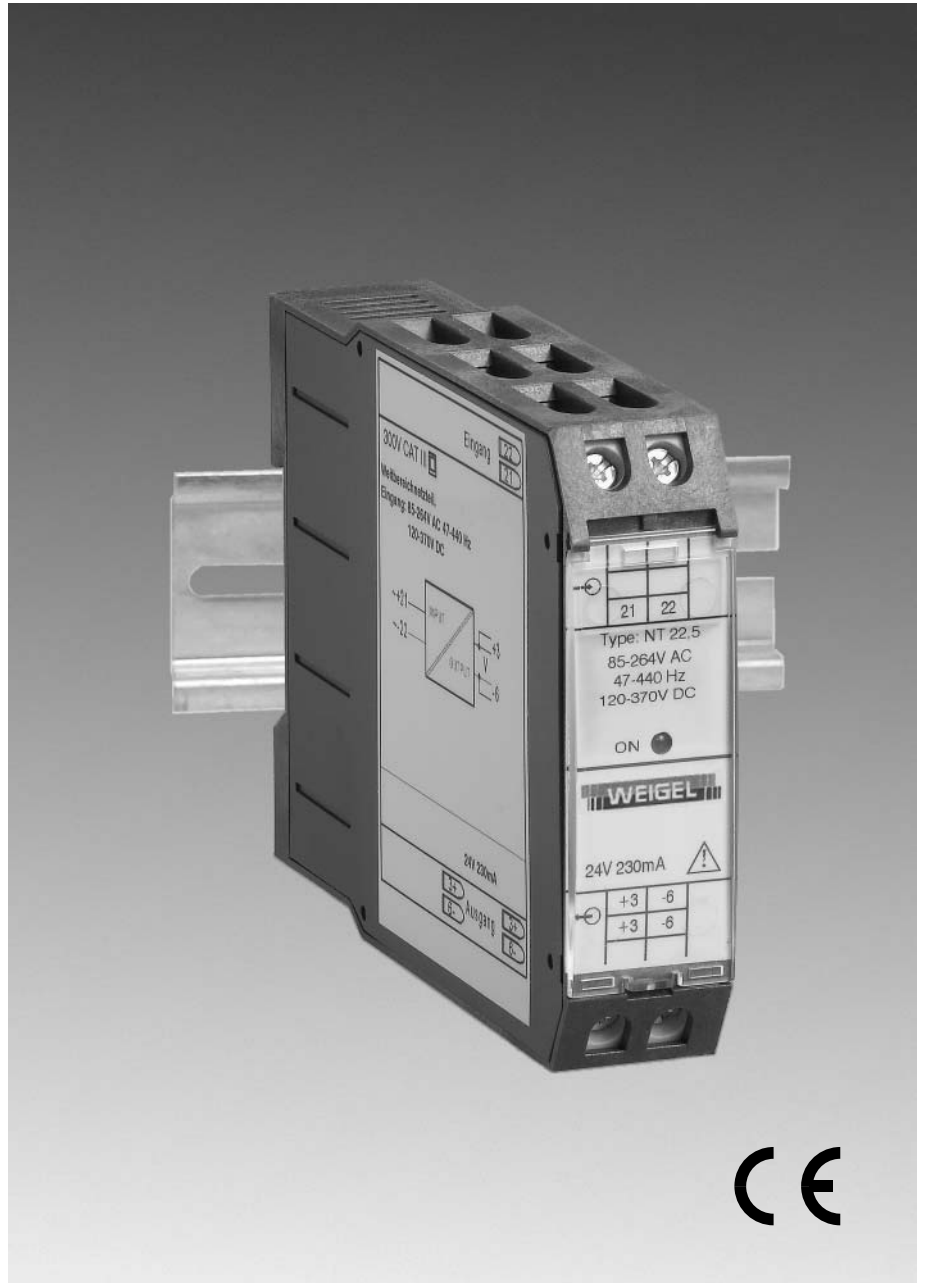
Data Sheet

Accessories
067.3e

DIN Rail Power Supply

NT 22.5

22.5 mm case width



WEIGEL

Application

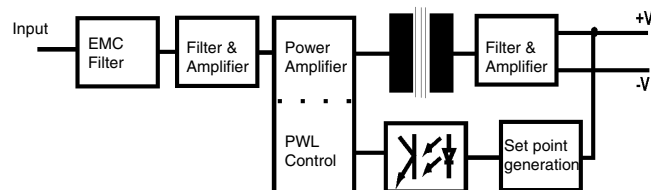
The NT 22.5 power supply can be used for multiple applications and can be supplied with various output voltages (5 V, 12 V, 15 V, 24 V). It is overload- and overtemperature- proof and has a function indication. The power supply is **permanently overload-, short-circuit- and overtemperature- proof**.

A green LED lights up if the output voltage is available.

The power supplies comply with safety requirements and are tested for interference immunity.

The power supplies are designed to be mounted in machines/systems. Regulations for installation of electrical systems and equipment have to be observed.

Block Circuit Diagram



General Data

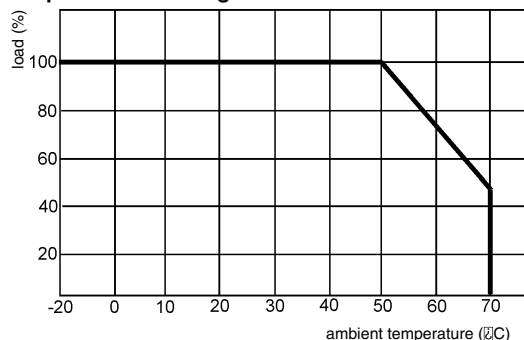
case details	projecting case clamping to DIN mounting rail (to DIN EN 50 022 – 35)
material of case	ABS/PC black self-extinguishing to UL rating 94 V–0
terminals	screw-terminals
wire cross-section	input 2.5 mm ² max. flex wire output 2.5 mm ² max. flex wire or 1.5 mm ² max. solid wire
enclosure code	IP 40 case IP 20 terminals to EN 60529
dielectric test isolation	4 kV 50 Hz input to output 100 MΩ / 500 V DC
rated isolation voltage	600 V
class of protection	II to DIN EN 60601–1/ UL 60601–1
dimensions WxHxD	22.5 mm x 84 mm x 113 mm
weight	approx. 0.12 kg (10 W) approx. 0.10 kg (5 W)

Electrical Data

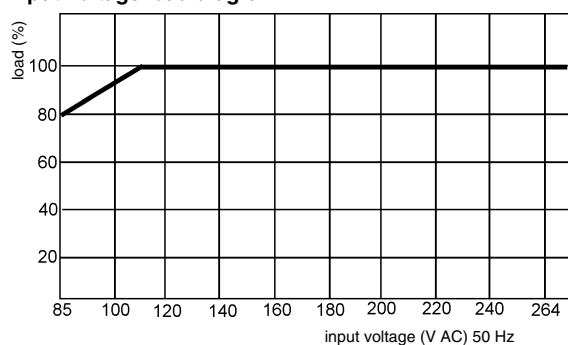
Input				
input voltage	85 ... 264 V AC or 120 ... 370 V DC			
frequency	47 ... 440 Hz			
Output				
output power/type	5 W or 10 W			
voltage	available fixed voltages			
	5 V DC	12 V DC	15 V DC	24 V DC
residual ripple	80 mV	150 mV	150 mV	240 mV
voltage accuracy	2.0%	1.0%	1.0%	1.0%
overload protection	switch-off at >105% of rated power and automatic switch-on after temperature drop			
overvoltage protection	switch-off if output voltage is > 135% of U _N			
overtemperature protection	switch-off at T _j > 140°C and automatic switch-on after temperature drop			
indication	green LED lights if power is available			

Load Diagrams

temperature load diagram



input voltage load diagram

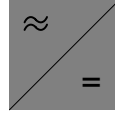


Environmental

climatic suitability	to VDE/VDI 3540 sheet 2
operating temperature range	-20 ... +70 °C
storage temperature range	-40 ... +85 °C
Vibration	10 ... 500 Hz, 2G 10 min./ 1 cycle, period 60 min. to all 3 axis
EMC emission	to EN 55011 (CISPR11), EN 55022 (CISPR22), class B
EMC immunity	to EN 61000-4-2,3,4,5,6,8,11; EN 50204, EN 55024, EN 60601-1-2 and EN 61204-3, crit. A

Rules and Standards

DIN EN 50 022	Mounting rails
EN 50204	Radio interference immunity test Emitted electromagnetic fields of digital mobile telephones
DIN EN 55011	Industrial, scientific and medical high frequency devices – radio interferences, limits and measurement process
EN 55024	Data processing systems interference immunity properties
EN 60529	Enclosure codes
EN 60601-1;-1-2	Medical electrical devices
EN 61000-4-2, 3, 4, 5, 6, 8, 11	Electromagnetic compatibility (EMC)
EN 61204-7	
VDE/VDI 3540 sheet 2	Low voltage power supplies, d.c. output Reliability of measuring and control equipment (classification of climates for equipment and accessories)

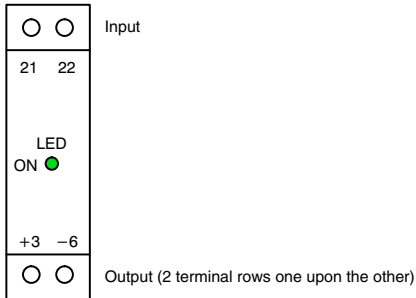


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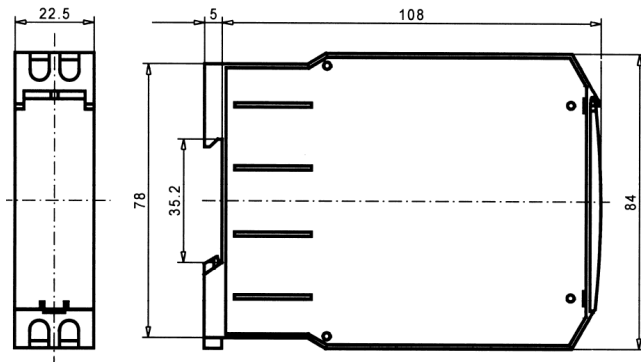
Accessories
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DIN Rail Power Supply

Connections



Dimensions



(dimensions in mm)

Ordering Guide

type	DIN rail power supply
NT 22.5/5W-5V	5 V, 1000 mA
NT 22.5/5W-12V	12 V, 420 mA
NT 22.5/5W-15V	15 V, 330 mA
NT 22.5/5W-24V	24 V, 230 mA
NT 22.5/10W-5V	5 V, 2000 mA
NT 22.5/10W-12V	12 V, 850 mA
NT 22.5/10W-15V	15 V, 670 mA
NT 22.5/10W-24V	24 V, 420 mA

ordering example

NT 22.5/5W-24V

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– specifications subject to change without notice; date of issue 03/11 –

