

Switch-mode power supplies for DIN top hat rail 120 - 480 W (sealed construction)



Technical data (all values related to 230 V AC/25 °C)

Input voltage:	180 V AC to 264 V AC
Output voltage:	24 V, 48 V
Safety:	Softstart
Protection circuit:	Overload/overvoltage protection, power system failure buffering 20 ms at full load, short circuit-proof
Temperature range:	-10°C to +50°C (up to +70°C at 60% load)
Certifications:	CE/UL/TÜV
Efficiency:	86%
Connection type:	Screw terminals
Mounting type:	DIN mounting rails

Pin assignment

NTS-24 V-5 A; NTS-24 V-10 A
NTS-48 V-2.5 A; NTS-48 V-5 A

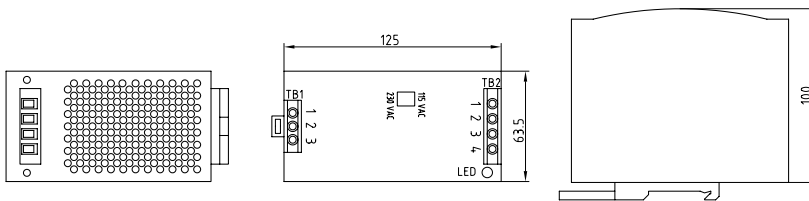
Pin	Designation	
1	out	RDY
2		V+ DC
3		V+ DC
4		V.DC
5		V.DC
6		V.DC
7	in	PE, grounding
8		L
9		N
	other	DC On
		DC Lo
		V _{out} Adj.

NTS-48 V-10 A

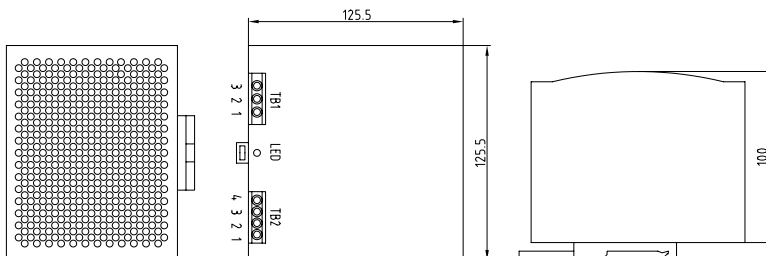
TB1 =	AC input
1 =	FG grounding
2 =	AC/N
3 =	AC/L
TB2 =	DC output
1.2 =	+V
3.4 =	-V

Outline drawing (mm)

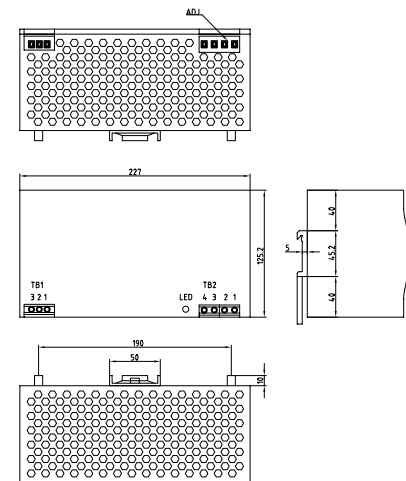
NTS-24V-5A
NTS-48V-2.5A



NTS-24V-10A
NTS-48V-5A



NTS-48V-10A



Technical data

	NTS-24V-5A(120 W)	NTS-48V-2.5A(120 W)	NTS-24V-10A(240 W)	NTS-48V-5A(240 W)	NTS-48V-10A(480 W)
Nominal input current:	1.4 A/230 V	1.4 A/230 V	2.2 A/230 V	2.2 A/230 V	4.0 A/230 V
Input current (cold start):	24 A/115 V 48 A/230 V	24 A/115 V 48 A/230 V	24 A/115 V 48 A/230 V	24 A/115 V 48 A/230 V	30 A/150 50 A/230 V
Output voltage:	24 ~ 32 V	46 ~ 57 V	24 ~ 32 V	46 ~ 57 V	48 ~ 53 V
Power output:	120 W (24 V/5 A)	120 W (48 V/2.5 A)	240 W (24 V/10.0 A)	240 W (48 V/5 A)	480 W (48 V/10 A)
Weight:	0.64 kg	0.64 kg	1.0 kg	1.0 kg	2.2 kg