NDR-120

Single-output DIN rail power supply

Output selection

Parameter	NDR-120-12	NDR-120-15	NDR-120-24	NDR-120-48
DC voltage	12 V	15 V	24 V	48 V
DC output current	0–10 A	0–8 A	0–5 A	0–2.5 A
Efficiency	86%	88%	88%	89%
Ripple and noise	100 mV p-p	120 mV p-p	120 mV p-p	150 mV p-p
Line regulation	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation	±0.5%	±0.5%	±0.5%	±0.5%
DC voltage adjustment	±10%	±10%	±10%	±10%

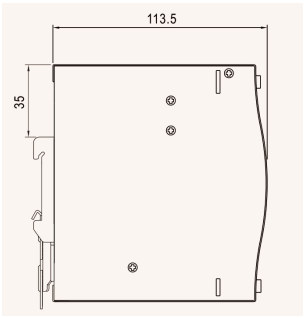
Operating conditions

AC / DC input	85–264 VAC / 120–370 VDC
Family power class	120 W (single output)
Input frequency	47–63 Hz
Cold-start inrush	30 A at 115 VAC; 60 A at 230 VAC
Overload protection	105–150%: output cutoff; automatic recovery.
Overvoltage protection	120–140%: output shuts down. Reapply power to recover.
Setup / rise / hold-up	1200 / 60 / 60 ms at 230 VAC, full load.
Withstand voltage	Input/output: 1.5 kV; input/FG: 1.5 kV; output/FG: 0.5 kV; 1 minute.
Insulation resistance	Input/output, input/FG and output/FG: 100 MΩ at 500 VDC.

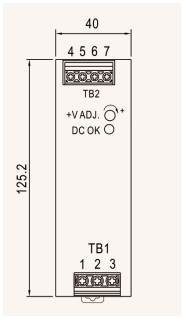
NDR-120

Mechanical dimensions and installation

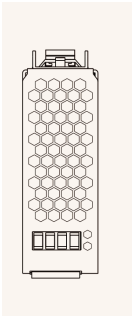
40 × 125.2 × 113.5 mm



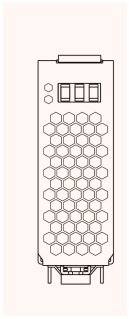
Side elevation



Front elevation



Top view



Bottom view

Working environment	−10 to +50 °C
Unit weight	0.6 kg
Packing	45.5 × 35 × 26 cm
Terminal assignments	TB1: 1 = FG; 2 = AC/N or DC −; 3 = AC/L or DC +.
Technical note	TB2: 4 and 5 = −V; 6 and 7 = +V.