

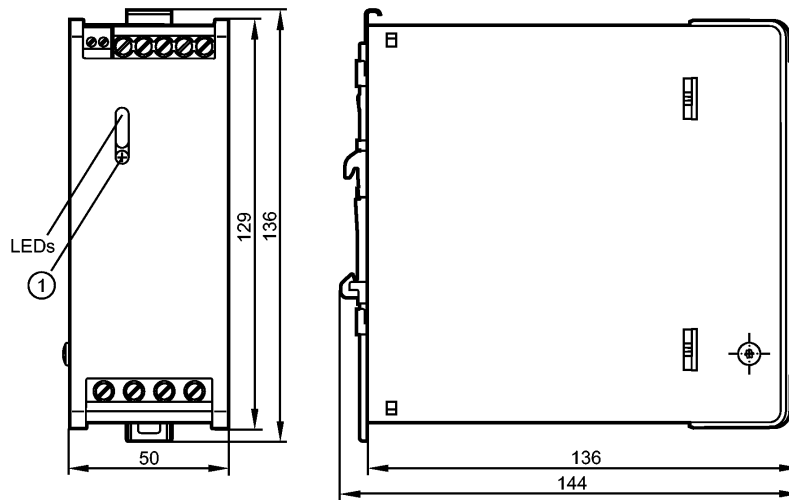
**DN3012**

PSU-1AC/24VDC-5A

Evaluation systems, power supplies

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1: potentiometer



**Product characteristics**

Switched-mode power supply 24 V DC

120 W power output

Primary switched mode

Output current 5 A, regulated

DCok relay output

**Application**

Application regulated power supply for sensors, actuators, evaluation electronics and plcs

**Electrical data**

Input voltage range	[V]	100...240 AC (± 10 %)
Nominal frequency	[Hz]	47...63
Output voltage	[V]	24...28 *)
Output current	[A]	5
Switch-on peak current	[A]	< 20 (25°C)
Efficiency	[%]	88.9 (230 V AC; 24 V DC; 5 A)
Short-circuit proof		yes
Overload protection		yes
Power-on delay time	[ms]	≤ 1000
Derating	[W/K]	> 60°C (3%/K)
Mains buffering time	[ms]	205 (230 V AC; 24 V DC; 5 A)
Protection class		I
Overvoltage protection (OVP) [V]		≤ 34
Fuse		10 A, external, characteristic B
Residual ripple [mV]		≤ 50

**Environment**

Ambient temperature	[°C]	0...70
Protection		IP 20

**Tests / approvals**



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EMC	EN 61000-6-2 EN 61000-6-3
MTTF [Years]	150

**Mechanical data**

Housing materials	AlMg3; steel sheet; polycarbonate
Installation	rail TH35 (to EN 60715)
Weight [kg]	0.987

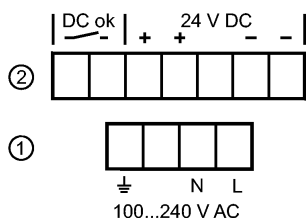
**Displays / operating elements**

Display	DCok output 1 LED green overload 1 LED red
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**Electrical connection**

Connection	screw terminals
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**Wiring**



- 1: primary
- 2: secondary

**Remarks**

Remarks	*) adjustable Protection class according to IEC 61140 output voltage to SELV, PELV DCok: normally open; 30 V DC, max. 1 A Observe the free space for convection (20 mm)
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Pack quantity [piece]	1
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