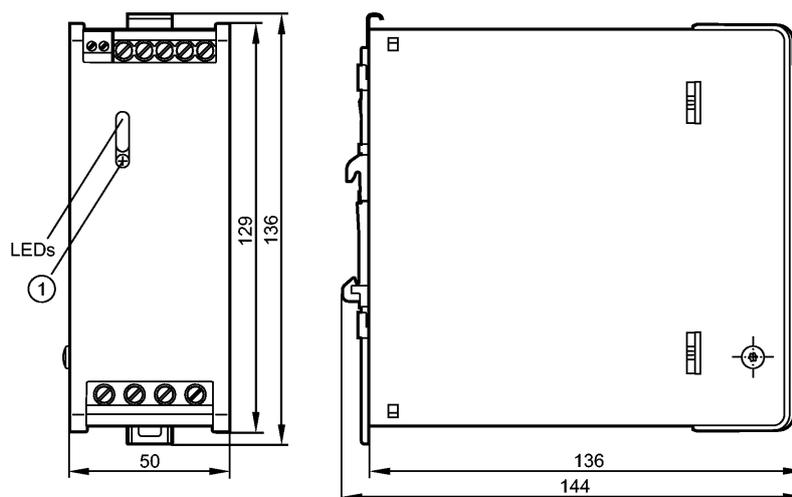


## DN3011

PSU-1AC/24VDC-2.5A

Evaluation systems, power supplies



1: potentiometer

Made in Germany



### Product characteristics

Switched-mode power supply 24 V DC

60 W power output

Primary switched mode

Output current 2.5 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 ( $\pm 10\%$ )
Nominal frequency	[Hz]	47...63
Output voltage	[V]	24...28 *)
Output current	[A]	2.5
Switch-on peak current	[A]	< 20 (25°C)
Efficiency	[%]	87.1 (230 V AC; 24 V DC; 2.5 A)
Short-circuit proof		yes
Overload protection		yes
Power-on delay time	[ms]	$\leq 1000$
Derating	[W/K]	> 60°C (3%/K)
Mains buffering time	[ms]	450 (230 V AC; 24 V DC; 2.5 A)
Protection class		I
Oversvoltage protection (OVP) [V]		$\leq 34$
Fuse		10 A, external, characteristic B
Residual ripple [mV]		$\leq 50$

### Environment

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

### Tests / approvals

EMC	EN 61000-6-2 EN 61000-6-3
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## DN3011

PSU-1AC/24VDC-2.5A

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MTTF	[Years]	150
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### Mechanical data

Housing materials	AlMg3; steel sheet; polycarbonate
Installation	rail TH35 (to EN 60715)
Weight	[kg] 0.978

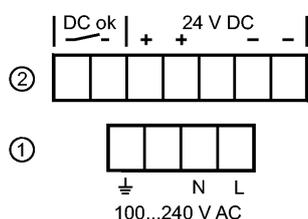
### Displays / operating elements

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