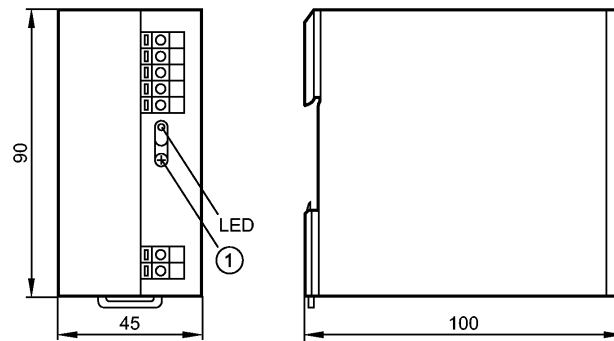


DN1031

PSU-1AC/24VDC-2.5A

Evaluation systems, power supplies



1: potentiometer



Product characteristics

Switched-mode power supply 24 V DC

60 W power output

Primary switched mode

Output current 2.5 A, regulated

DCok 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 voltage	[V]	115 / 230 AC
Nominal frequency	[Hz]	47...63
Output voltage	[V]	24...28 *)
Output current	[A]	2.5
Efficiency	[%]	88 (230 V AC; 24 V DC; 2.5 A)
Short-circuit proof		yes
Overload protection		yes
Power-on delay time	[ms]	≤ 380
Derating	[W/K]	$> 60^\circ\text{C}$ (2%/K)
Mains buffering time	[ms]	90 (230 V AC; 24 V DC; 2.5 A)
Protection class		II
Input current	[A]	0.8
Oversvoltage protection (OVP) [V]		< 34
Fuse		10 A, external, characteristic B
Residual ripple [mV]		≤ 50

Environment

Ambient temperature	[$^\circ\text{C}$]	0...70
Protection		IP 20

Tests / approvals

EMC	EN 61000-6-2 EN 61000-6-3
UL	UL 508 (Industrial Control Equipment) UL 60950-1 (Information Technology Equipment)

Mechanical data

DN1031

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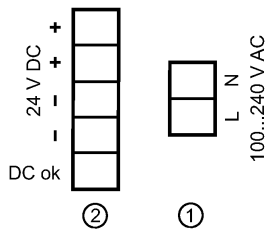
Evaluation systems, power supplies

Housing materials	polycarbonate ABS
Installation	rail TH35 (to EN 60715)
Weight [kg]	0.335

Displays / operating elements	
Display	DCok output 1 LED green

Electrical connection	
Connection	cage clamps

Wiring



- 1: primary
2: secondary

Remarks	
Remarks	*) adjustable Protection class according to IEC 61140 output voltage to SELV, PELV control output DCok supplies 24 V DC (30 mA) if output voltage > 20 V ($\pm 4\%$) Observe the free space for convection (30 mm)

Pack quantity [piece]	1
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