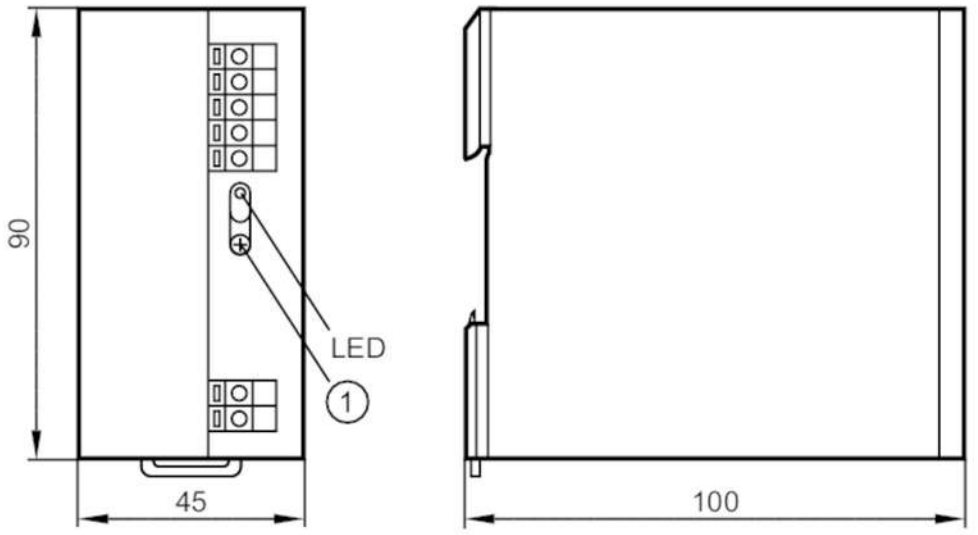
DN1031

Switched-mode power supply 24 V DC

PSU-1AC/24VDC-2,5A



1 potentiometer

Electrical data		
Operating voltage tolerance	[%]	10
Nominal voltage AC	[V]	< 230
Nominal frequency AC	[Hz]	47...63
Input voltage range AC	[V]	100...240
Output voltage DC	[V]	24...28
Protection class		II; (IEC 61140)
Power-on delay time	[s]	< 0.38
Output voltage	[V]	adjustable
Max. output current at min. output voltage	[A]	2.5
Number of output circuits		1
Max. residual ripple	[mV]	50
Efficiency (nominal voltage 230 V AC / 50 Hz)	[%]	88
External input protection		10 A; B
Derating	[W/K]	2% / K (> 60° C)
Mains buffering time (nominal voltage 230 V AC / 50 Hz)	[ms]	90
Outputs		
Short-circuit proof		yes
Overload protection		yes
Reliability of the DC OK signal		24 V DC (30 mA)
Operating conditions		
Ambient temperature	[°C]	0...70
Protection		IP 20

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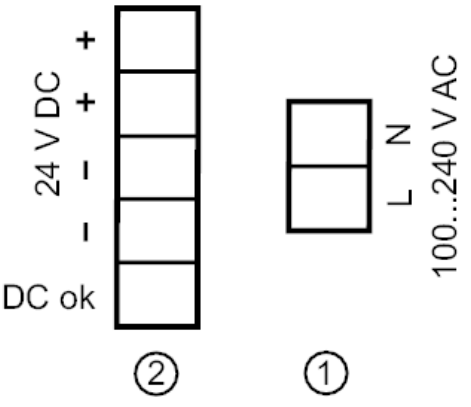
Tests / approvals			
EMC		EN 61000-6-2	
		EN 61000-6-3	
Mechanical data			
Weight	[g]	335	
Type of mounting		rail; (TH35 (EN 60715); free space for convection cooling 30 mm)	
Dimensions	[mm]	90 x 45 x 100	
Materials		PC ABS	
Displays / operating elements			
Display		DC ok	1 x LED, green
Remarks			
Remarks		output voltage to SELV, PELV	
Pack quantity		1 pcs.	
Electrical connection			

cage clamps:

Connection



1: primary
2: secondary