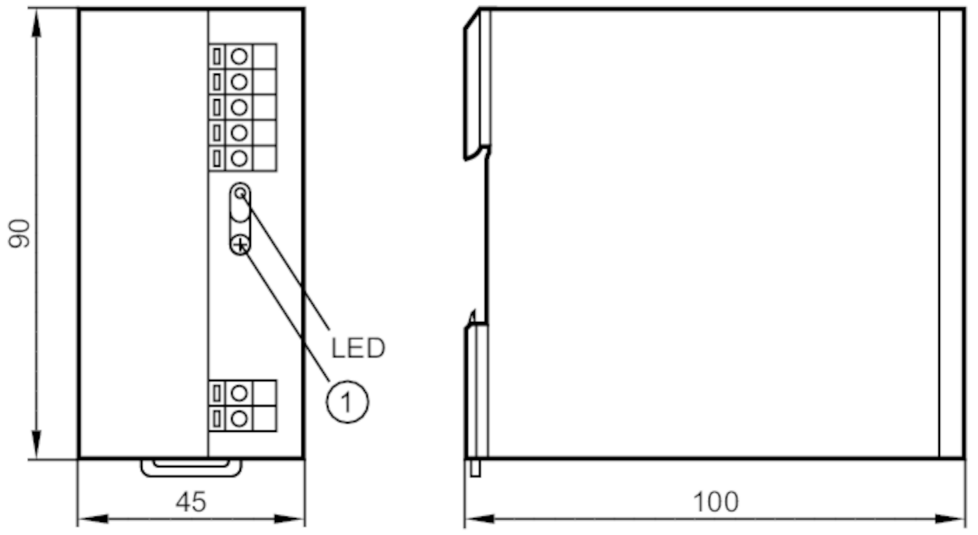
# DN1031

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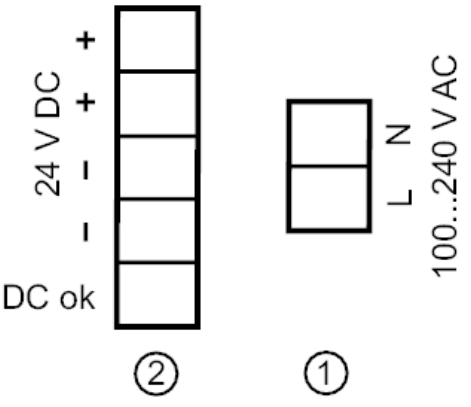
PSU-1AC/24VDC-2,5A

| | | | |
|---|---|---|---|
| **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