

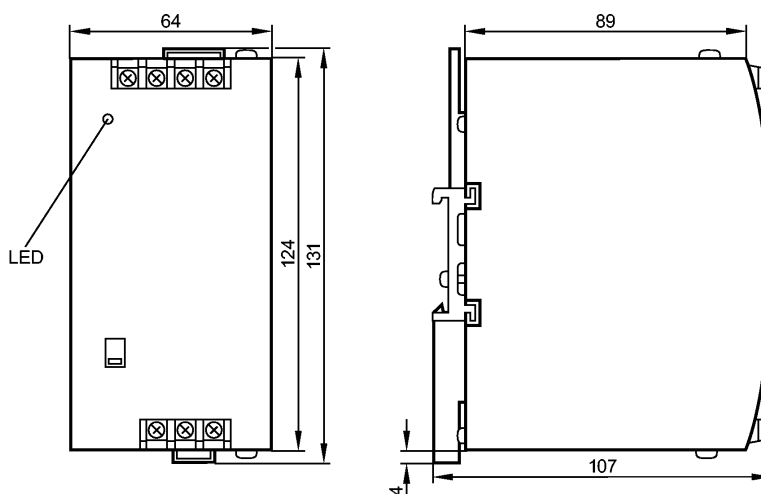
**DN2012**

POWER SUPPLY/24VDC/5A

Evaluation systems, power supplies

**no longer available - archive entry**

New generation available: DN4012


**Product characteristics**

Switched-mode power supply 24 V DC

Primary switched mode

Output current 5 A, regulated

**Application**

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

**Electrical data**

|                                  |       |                                          |
|----------------------------------|-------|------------------------------------------|
| Input voltage range              | [V]   | 85...132 AC / 176...264 AC, 210...375 DC |
| Nominal voltage                  | [V]   | 115 / 230 AC                             |
| Nominal frequency                | [Hz]  | 47...63                                  |
| Output voltage                   | [V]   | 24 DC (+5% / -1%)<br>to SELV/PELV        |
| Output current                   | [A]   | 5                                        |
| Residual ripple                  | [mV]  | < 50                                     |
| Switch-on peak current           | [A]   | < 15                                     |
| Efficiency                       | [%]   | 90                                       |
| Short-circuit protection         |       | yes                                      |
| Overload protection              |       | yes                                      |
| Power-on delay time              | [ms]  | < 20                                     |
| Derating                         | [W/K] | 3 (60...70 °C)                           |
| Mains buffering time             | [ms]  | > 37                                     |
| Protection class                 |       | I                                        |
| Overvoltage protection (OVP) [V] |       | 29                                       |

**Outputs**

Output Output current 5 A, regulated

**Environment**

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -10...60 |
| Protection          |      | IP 20    |

**Tests / approvals**

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|     |                                                                            |
|-----|----------------------------------------------------------------------------|
| EMC | EN 50081-1<br>EN 61000-6-1<br>EN 61000-6-2<br>EN 61000-6-3<br>EN 61000-6-4 |
|-----|----------------------------------------------------------------------------|

|      |         |     |
|------|---------|-----|
| MTTF | [Years] | 241 |
|------|---------|-----|

### Mechanical data

|                   |                         |
|-------------------|-------------------------|
| Housing materials | aluminum                |
| Installation      | rail TH35 (to EN 60715) |
| Weight [kg]       | 0.692                   |

### Displays / operating elements

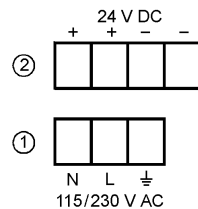
|                  |     |                       |
|------------------|-----|-----------------------|
| Function display | LED | green: output voltage |
|------------------|-----|-----------------------|

### Electrical connection

|            |                                       |
|------------|---------------------------------------|
| Connection | terminals 1.5 up to 6 mm <sup>2</sup> |
|------------|---------------------------------------|

### Wiring

1: primary, 2: secondary



### Remarks

|               |                                         |   |
|---------------|-----------------------------------------|---|
| Remarks       | Protection class according to IEC 61140 |   |
| Pack quantity | [piece]                                 | 1 |

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