

# DN3012



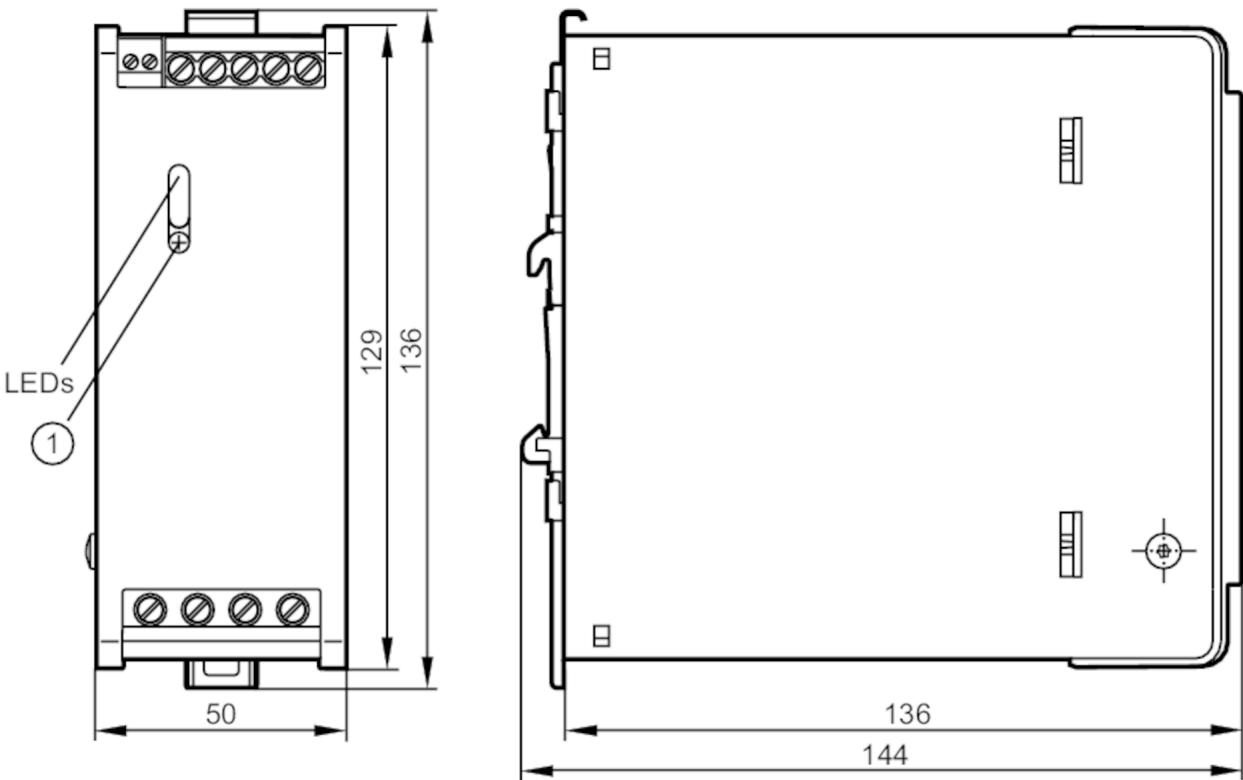
## Switched-mode power supply 24 V DC

PSU-1AC/24VDC-5A

Article no longer available - archive entry

Alternative articles: DN4012

When selecting an alternative article and accessories please note that technical data may differ!



1 potentiometer



| Electrical data                               |       |                  |
|-----------------------------------------------|-------|------------------|
| Operating voltage tolerance                   | [%]   | 10               |
| Nominal frequency AC                          | [Hz]  | 47...63          |
| Input voltage range AC                        | [V]   | 100...240        |
| Output voltage DC                             | [V]   | 24...28          |
| Protection class                              |       | I; (IEC 61140)   |
| Max. power-on delay time                      | [ms]  | 1000             |
| Power-on delay time                           | [s]   | < 1000           |
| Output voltage                                | [V]   | adjustable       |
| Max. output current at min. output voltage    | [A]   | 5                |
| Number of output circuits                     |       | 1                |
| Max. residual ripple                          | [mV]  | 50               |
| Efficiency (nominal voltage 230 V AC / 50 Hz) | [%]   | 88.9             |
| External input protection                     |       | 10 A; B          |
| Derating                                      | [W/K] | 3% / K (> 60° C) |



## Switched-mode power supply 24 V DC

PSU-1AC/24VDC-5A

|                                                              |     |
|--------------------------------------------------------------|-----|
| Mains buffering time (nominal voltage 230 V AC / 50 Hz) [ms] | 205 |
|--------------------------------------------------------------|-----|

## Outputs

|                                 |                 |
|---------------------------------|-----------------|
| Short-circuit proof             | yes             |
| Overload protection             | yes             |
| Reliability of the DC OK signal | 30 V DC (< 1 A) |

## Operating conditions

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

## Tests / approvals

|     |              |  |
|-----|--------------|--|
| EMC | EN 61000-6-2 |  |
|     | EN 61000-6-3 |  |

## Mechanical data

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| Weight [g]       | 0.987                                                            |
| Type of mounting | rail; (TH35 (EN 60715); free space for convection cooling 20 mm) |
| Dimensions [mm]  | 129 x 50 x 136                                                   |
| Materials        | AlMg3; steel sheet; PC                                           |

## Displays / operating elements

|         |          |                |
|---------|----------|----------------|
| Display | DC ok    | 1 x LED, green |
|         | overload | 1 x LED, red   |

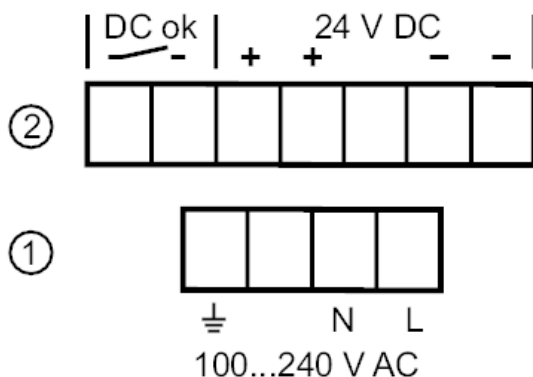
## Remarks

|               |                              |
|---------------|------------------------------|
| Remarks       | output voltage to SELV, PELV |
| Pack quantity | 1 pcs.                       |

## Electrical connection

screw terminals:

Connection



- 1: primary  
2: secondary