

# DN1020



## Switched-mode power supply 24 V DC

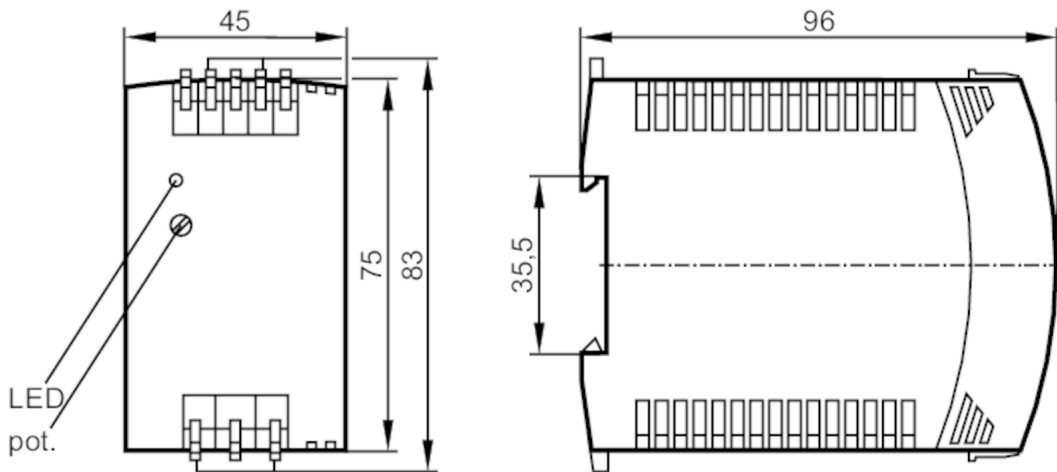
POWER SUPPLY/24VDC/1,3A

Article to be discontinued

Discontinuation date: 03/31/2026

Alternative articles: DN1030

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



### Application

Design housing for DIN rail mounting

### Electrical data

|   |       |                            |
|---|-------|----------------------------|
| Nominal voltage AC                                      | [V]   | < 230                      |
| Nominal frequency AC                                    | [Hz]  | 50...60                    |
| Input voltage range AC                                  | [V]   | 100...240; (-15 % / +10 %) |
| Input voltage DC  | [V]   | 110...300; (-20 % / +25 %) |
| Output voltage DC                                       | [V]   | 24...28                    |
| Protection class  |       | I; (IEC 61140)             |
| Overvoltage protection                                  |       | yes; (< 40)                |
| Output voltage  | [V]   | adjustable                 |
| Output voltage tolerance                                | [%]   | 2                          |
| Max. output current at min. output voltage              | [A]   | 1.3                        |
| Number of output circuits                               |       | 1                          |
| Max. residual ripple                                    | [mV]  | 50                         |
| Efficiency (nominal voltage 230 V AC / 50 Hz)           | [%]   | 87.5                       |
| Derating  | [W/K] | 1 (60...70 °C)             |
| Mains buffering time (nominal voltage 230 V AC / 50 Hz) | [ms]  | 190                        |

### Outputs

|                          |     |
|--------------------------|-----|
| Short-circuit protection | yes |
| Overload protection      | yes |

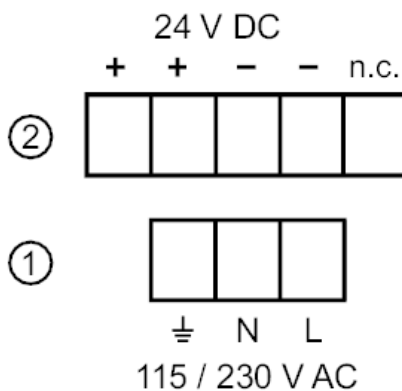
# DN1020



## Switched-mode power supply 24 V DC

POWER SUPPLY/24VDC/1,3A

| Operating conditions                           |          |   |
|--|----------|---|
| Ambient temperature                            | [°C]     | -10...70                                |
| Protection                                     |          | IP 20                                   |
| Tests / approvals                              |          |   |
| EMC  |          | EN 61000-6-2                            |
|  |          | EN 61000-6-3                            |
| MTTF   | [years]  | 74                                      |
| Mechanical data                                |          |   |
| Weight   | [g]      | 310.5                                   |
| Housing  |          | rectangular                             |
| Type of mounting                               |          | Mounting on DIN rail; (TH35 (EN 60715)) |
| Dimensions                                     | [mm]     | 83 x 45 x 96                            |
| Material                                       |          | housing: PC                             |
| Displays / operating elements                  |          |   |
| Display  | Function | LED, green                              |
| Remarks  |          |   |
| Pack quantity                                  |          | 1 pcs.                                  |
| Electrical connection                          |          |   |
| spring clamp terminals: ...2.5 mm <sup>2</sup> |          |   |
| Connection                                     |          |   |



- 1 primary
- 2 secondary