



TROXNETCOM AS-i

Switching power supply units



Switching power supply unit for 24 V supply

Controlled power supply for sensors, actuators, sensor electronics and controller

- High efficiency of > 84 %
- Input and output with overvoltage protection
- Can be attached to a mounting rail, no tools required
- Output voltage adjustable up to 28 V DC
- Overload protection, up to 1.5 × nominal current
- Very high efficiency, hence very low heat buildup
- LED for secondary voltage



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General information

Application

- Switching power supply unit TNC-D4011 (24 V DC; 3.3 A)
- Power supply for AS-i controllers as well as for operating and display units
- Very high efficiency of 89.8 %
- Low ripple voltage, < 0.25 mV
- High reliability



Order code

TNC – D1030
|
1

1 Type

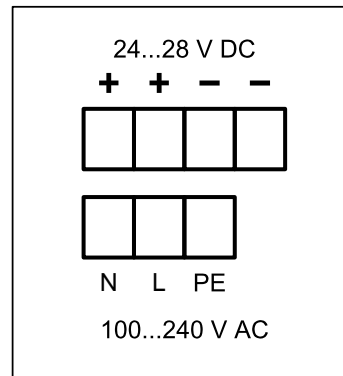
TNC-D1030 Output current 1.25 A

TNC-D4011 Output current 3.3 A

TNC-D4012 Output current 5 A

TNC-D4013 Output current 10 A

TNC-D4011



Application

- Switching power supply unit TNC-D4011 (24 V DC; 3.3 A)
- Power supply for AS-i controllers as well as for operating and display units
- Very high efficiency of 89.8 %
- Low ripple voltage, < 0.25 mV
- High reliability

| | |
|------------------------------------------------|----------------------------------------------------------------------|
| Description | TNC-D4011 |
| Output current | 3.3 A |
| Nominal voltage | < 230 V AC |
| Input voltage range | 100 – 240 V AC |
| Nominal frequency | 47 – 64 Hz |
| Efficiency | 89.8 % |
| TROX casing | Sheet steel |
| Protection level | IP 20 |
| IEC protection class | II (protective earth) |
| Connection | Screw terminals |
| Temperature range | -25 – +70 °C |
| Derating | 1.8 W/K (60 – 70 °C) |
| Output voltage | 24 – 28 V DC (± 2 %) to SELV/PELV |
| Max. ripple voltage | 50 mV |
| Mains buffering time | 128 ms |
| Short-circuit protection / overload protection | Yes (to IEC 61140) |
| EMC | EN 61000-6-1; EN 61000-6-2; EN 61000-6-3; EN 61000-6-4; EN 61000-3-2 |
| LEDs | DC OK; 1 × LED, green |
| Weight | 569 g |
| Dimensions | 120 × 40 × 128.5 mm |

Specification text

- Switching power supply unit TNC-D4011 for supplying power to the controller or text display
- Nominal voltage: < 230 V AC
- Output voltage: 24 – 28 V DC ($\pm 2\%$), SELV/PELV
- Output current: 3.3 A
- Nominal frequency: 64 Hz
- Efficiency: 89.8 %
- Connection: screw terminals
- Casing materials: galvanised sheet steel
- Ambient temperature: -25 to +70 °C
- Protection level: IP 20
- Status display: DC OK, 1 × LED
- Make: TROX GmbH or equivalent
- Type: TNC-D4011