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TNC-D4012

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

General Information



Application

- Switching power supply unit TNC-D4012 (24 V DC; 5 A)
- Power supply for AS-i controllers as well as for operating and display units
- Very high efficiency of 90.2 %
- Low ripple voltage, 50 mV
- High reliability

TECHNICAL INFORMATION

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| Description | TNC-D4012 |
| Output current | 5 A |
| Nominal voltage | < 230 V AC |
| Input voltage range | 100 - 240 V AC/200 - 240 V AC |
| Nominal frequency | 47 - 64 Hz |
| Efficiency | 90.2 % |
| TROX casing | Sheet steel |
| Protection level | IP 20 |
| IEC protection class | I (protective earth) |
| Connection | Screw terminals |
| Temperature range | -25 - +70 °C |
| Derating | 3 W/K (60 - 70 °C) |
| Output voltage | 24 - 28 V DC ($\pm 2\%$) to SELV/PELV |
| Max. ripple voltage | 50 mV |
| Mains buffering time | 78 ms |
| Short-circuit protection / overload protection | Yes (to IEC 61140) |
| EMC | EN 61000-6-1; EN 61000-6-2; EN 61000-6-4 |
| LEDs | DC OK; 1 x LED, green |
| Weight | 594.5 g |
| Dimensions | 120 x 40 x 122.5 mm |

Specification text

- Switching power supply unit TNC-D4012 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: 5 A
- Nominal frequency: 47 - 63 Hz
- Efficiency: 90.2 %
- Connection: screw terminals
- Casing materials: galvanised sheet steel
- Ambient temperature: -25 to +70 °C
- Protection level: IP 20
- Status display: DC OK, 1 x LED
- Make: TROX GmbH or equivalent
- Type: TNC-D4012

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D1030

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