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TNC-D2013



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**10 A SWITCHING POWER SUPPLY UNIT,
SUPPLYING VOLTAGE TO THE
CONTROLLER OR TEXT DISPLAY**

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

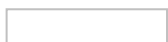
- High efficiency of > 87 %
- Input and output with overvoltage protection
- Can be attached to a mounting rail, no tools required
- Output voltage adjustable up to 28 V DC
- Overload protection, up to 1.5 × nominal current
- Very high efficiency, hence very low heat build-up
- LED for secondary voltage indication

Application



TECHNICAL INFORMATION

AS-i switching power supply unit TNC-D2013



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Description	TNC-D2013
Output current	10 A
Nominal voltage, primary	115/230 V AC
Input voltage range	85 – 132 V AC/176 – 264 V AC/240 – 375 V DC
Nominal frequency	47 – 63 Hz
Efficiency	90 %
Casing	Aluminium
Protection level	IP 20
IEC protection class	I (protective earth)
Connection	Terminals 1.5 – 6 mm ²
Temperature range	–10 to +60 °C
Derating	12 W/K (60 – 70 °C)
Output voltage	24 – 28 V DC (± 5 %/–1 %) to SELV/PELV
Power ON delay time	< 20 ms
Residual ripple	< 30 mV
Mains buffering time	> 20 ms
Short-circuit protection / overload protection	Yes
EMC	EN 50081-1; EN 61000-6-2
MTTF	195 years
Overvoltage protection	29 V
LEDs	Green: output voltage

Standard description (characteristics)

Switching power supply unit TNC-D2013, supplying voltage to the controller or text display.

- Nominal voltage: 115/230 AC V
- Output voltage: 24 – 28 V DC (± 2 %), SELV/PELV
- Output current: 10 A
- Nominal frequency: 47 – 63 Hz
- Efficiency: 90 %
- Connection: Terminals, 1.5 to 6 mm²
- Casing materials: Aluminium
- Ambient temperature: –10 to +60 C°
- Protection level: IP 20
- Status display: LED green, output voltage
- Make: TROX GmbH or equivalent
- Type: TNC-D2013

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1 Switching power supply unit

TNC-D1020 Output current 1.3 A
TNC-D2011 Output current 2.5 A
TNC-D2012 Output current 5 A
TNC-D2013 Output current 10 A

TROX UK Ltd



Caxton Way,
Thetford, Norfolk, IP24 3SQ, UK
Tel: +44 (0) 1842 754545
Fax: +44 (0) 1842 763051

General Enquiries –
info@troxuk.co.uk
Sales & Customer Services –
sales@troxuk.co.uk
Accounts –
accounts@troxuk.co.uk

Online-Services

- TROX Academy

- Your contact partner

- Our Office London

- Our Office Thetford

Service-Hotlines

Sales:
+44 (0)1842 754545
[Contact](#)

Service:
+44 (0)1842 754545
[Contact](#)

Technical service
+44 (0)1842 754545
[Contact](#)

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