

DESKTOP POWER SUPPLY UNIT SNG2M ELCONNECT®

ECO-FRIENDLY

High energy efficiency and
low power consumption

FIELD-PROVEN

High quality and dependability

MULTIFUNCTIONAL

Well-suited for a wide range of
devices and systems



THE PRODUCT

The desktop power supply unit SNG2M is determined for powering the network and line terminating devices made by ELCON Systemtechnik GmbH, namely the

- BIG 2x series
(for Business Demarcation and Mobile Backhaul)
- EoP 16
(Ethernet over PDH (E1) systems)
- NT2MKU-T and NT2MGF-T
(2 Mbps HDSL TDM series)
- LT2MSKU-T, NT2MSKU-T and NT2MSGF-T
(2 Mbps SHDSL TDM series)

By transforming the 110 V / 230 V AC mains voltage into an 48 V DC voltage, the desktop power supply unit provides for local powering of the above devices in cases where no 48 V direct-current voltage source is available.

The SNG2M in its version G02 has been developed in accordance with the most recent eco-design directive (2009/125/EC) and offers extremely high energy efficiency and low power consumption. Furthermore, the SNG2M G02 provides improved lightning protection in compliance with the ITU-T K.21 requirements on „enhanced test level“, making it very reliable in case of voltage deviations in the network and overvoltages (e.g. in case of lightning strokes).

The SNG2M comes with a three-pin safety plug on mains side, whereas on secondary side a three-contact outlet with lead-through earth connection point allows direct connection to the earthing jack on the linked terminal equipment.

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TECHNICAL DATA

Power supply (230 V AC)

- Input voltage range: 100 V ... 240 V AC
- Frequency range: 47 Hz ... 63 Hz
- Power consumption: ≤ 1.1 A
- Starting current: acc. to 1TR216
- Connection: 2 m connection cable with safety plug

Output (48 V DC)

- Output voltage: 48 V DC ± 5%
- Nominal current (short-circuit-proof): ≤ 1.0 A
- Ripple voltage: < 200 mV_{ss}
- Connection: 2 m connection cable (3-wire) with wire end sleeves (+, -, FPE)

Mechanical characteristics

- Dimensions (W × D × H): 120 mm × 60 mm × 38 mm
- Weight: approx. 0.3 kg

Environmental conditions

- Operating temperature range: 0°C ... +40°C
- Storage temperature range: -20°C ... +80°C
- Relative air humidity: 5% ... 95%

EMC

- EN 55022, Class B
- ETSI EN 300 386
- ETSI ES 201 468
- EN 61000-3-2,3
- EN 61000-4-2,3,4,5,6,11
- ITU-T K.21 „enhanced test level“
- 1TR9

Safety

- EN 60950-1
- Degree of protection: IP40 (Operation only in confined rooms)
- Protection class: Class I

Applicable directives

- 2004/108/EG EMC directive
- 2006/95/EG Low-voltage directive
- No278/2009/EG EU commission regulation
- 2009/125/EG Eco-design directive

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PURCHASE ORDER INFORMATION

Product designation	Order number
SNG2M	6524