

ELCONNECT[®] *xpand*

SHDSL NETWORK TERMINATION UNIT

NT-SDSLt



Data sheet

LEGACY SERVICES

The Product

The overall system is designed for transmission of symmetrical 2 Mbps signals using the SHDSL transmission technology (SHDSL: Symmetric High speed Digital Subscriber Line) and consists of the NT-SDSLt and a 3rd vendor access multiplexer. This system saves furthermore the installation cost, because of the cost-effective use of the existing copper cables in the local loop access.

The transmission system is designed for the following applications:

- ISDN- Primary rate access (PRA)
- Structured Leased Line with frame structure acc. to ITU-T G.704
- Unstructured Leased Line
- Optional support of SDH VC12 Termination (only valid for NT-SDSLt E1-S).

The system offers furthermore the possibility of the configuring and monitoring of the system, for example monitoring of several alarm states and measuring of the transmission quality of the SHDSL line and the customer interfaces.

Technical data

S2M interface

(NT-SDSLt E1-S, NT-SDSLt E1-K)

- Standard: ITU G.703/704
- Data bit rate: 2048 kbps, E1 PRA
- Connectors: RJ45 (E1-S);
2 × 75 Ω 1.0/2.3-coax (E1-K)

V.35 interface

(NT-SDSLt V.35)

- Standard: ITU-T V.35
- Data bit rate:
n × 64 kbps (n = 1 ... 32)
- Connectors: CHAMP .050 26-pin

V.11 interface

(NT-SDSLt X.21)

- Standard: ITU-T V.11
- Data bit rate:
n × 64 kbps (n = 1 ... 32)
- Connectors: 15-pin D-SUB

T3ab interface

(NT-SDSLt E1-S, NT-SDSLt E1-K)

- physically available, can be activated via software

SHDSL interface

- Standard: ITU-T G.991.2 Annex B;
ETSI TS 101 524
- Data bit rates:
vom Provider zum Teilnehmer
(downstream):
192 kbps ... 2320 kbps ± 32 ppm;
vom Teilnehmer zum Provider
(upstream):
192 kbps ... 2320 kbps ± 32 ppm
- Connectors: RJ45
- Length of SHDSL connecting cable:
approx. 1 m (included in delivery)

Power supply

- Mains voltage range:
100 V ~ ... 240 V ~
- Frequency range: 50 Hz ... 60 Hz
- Power consumption: < 8 W
- Length of mains cable:
approx. 2 m (included in delivery)

Mechanical characteristics

- Dimensions (W × D × H):
173 mm × 150 mm × 45 mm
- Weight: approx. 400 g
- Housing material: Thermoplastic,
Flammability Class UL94-V0

Environmental conditions

- Temperature: -5 °C ... +45 °C
- Humidity absolute: max. 29 g/m³
- Humidity relative: 93 % / 30 °C,
non-condensing

EMC

- EN 55022,
- ITU-T K.21,
- ETS 300 386

Safety

- EN 60950
- Degree of protection: IP40 (Operation only in confined rooms)

Purchase order information

ELCON Systemtechnik GmbH

Product designation	Article number
NT-SDSLt E1-S	6228



Product designation	Article number
NT-SDSLt V.35	6233



NT-SDSLt E1-K	6243
---------------	------



NT-SDSLt X.21	6238
---------------	------



NOTE: All rights reserved.