

Overview

DS-6 U_{p0}-Adapter

8 Ports for WFD U_{p0}

UP TO
2 km

redundant

U_{p0}

19"

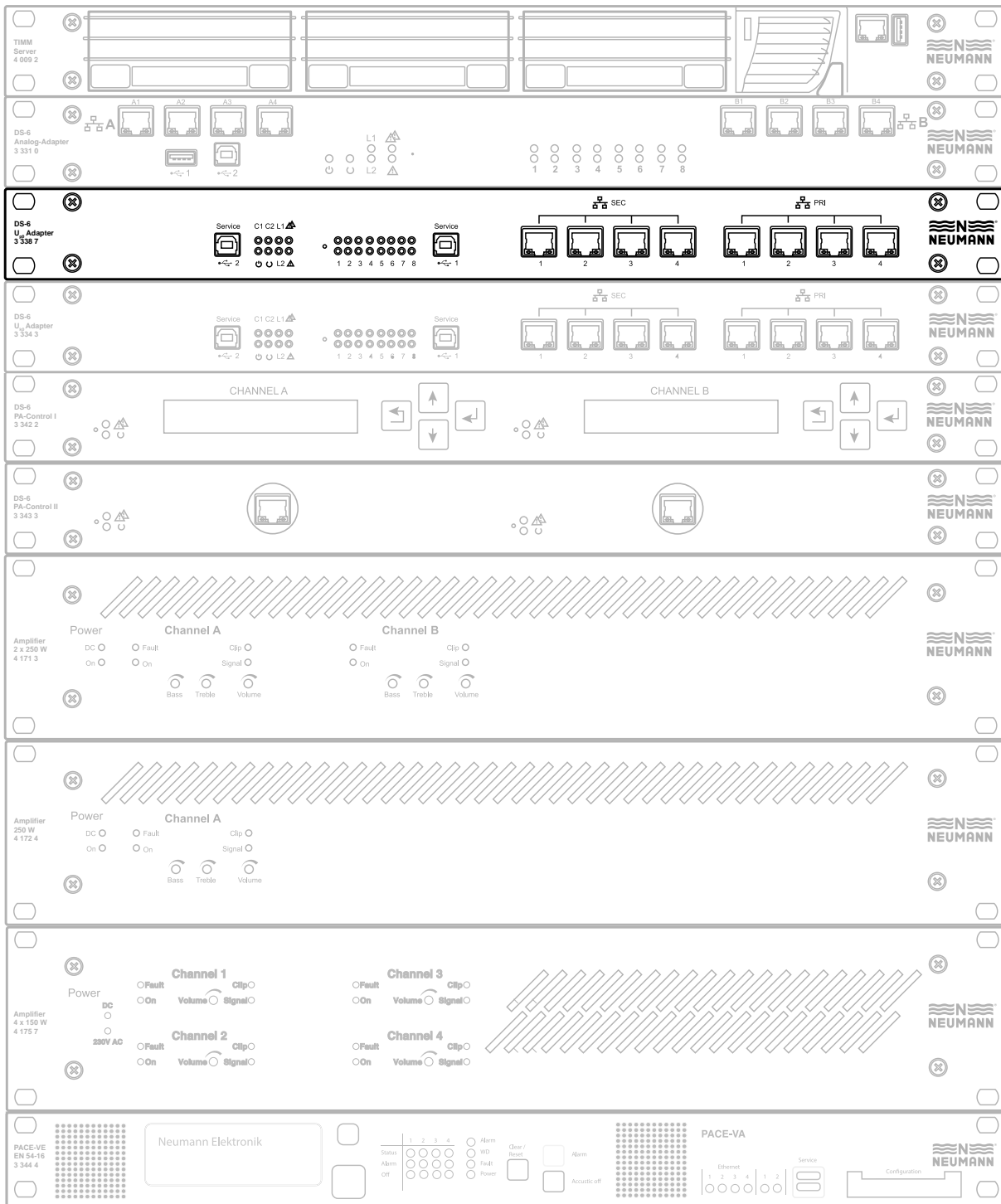
7 kHz

2 Wire
Technology

4-way
switch

serverless
scalable

TIMM



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Established Neumann Elektronik quality

IP-adapter for digital call stations

**Serverless operation even with cascaded setup
(with up to 6 U_{p0} adapters)**

**Up to 8 digital call stations without additional power supply
with cable lengths of up to 2 km using 2-wire technology**

**Two redundant 4-way switches to connect the
8 U_{p0} subscribers**

**Four Ethernet ports for redundant network
configuration and redundant cascading of devices**

Can be operated in DS-6 network and TIMM



Temperature monitoring

Watchdog

2 fault signal change-over contacts

**Operating mode can be configured separately
for each component port**

**Front panel contains 8x RJ45 LAN sockets,
2x USB service sockets
and 16x U_{p0} status LEDs and 8x device status LEDs**

**Rear panel contains 8x RJ45 U_{p0} sockets,
2 fault indication contacts,
9 fuses and the terminals for the power supply**

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The DS-6 U_{p0}-Adapter serves as an adapter or interface for the connection of digital U_{p0} stations to the decentralised communication system DS-6. A total of eight digital stations can be connected with cable lengths of up to 2 km without additional power supply.

Two redundant 4-way switches are integrated in the DS-6 U_{p0}-Adapter to connect the eight U_{p0} subscribers to the DS-6 network. The DS-6 U_{p0}-Adapter as a single device forms a small network node for eight digital U_{p0}-subscribers.

In addition, each switch has four Ethernet ports for redundant network construction and redundant cascading of the devices.

Physical data

Dimensions (H x B x T)	43 x 483 x 284 mm
Weight	approx. 3.5 kg
Mounting dimensions	width: 19“, height: 1U in conformity with DIN EN 60297 installation depth (housing without connectors): 284mm

Technical data

Operating voltage range	48 V -10%/+15% (optional 60 V -10% / +15%)
Power input for 48V DC without call station energizing current	ca. 300 mA
Number of U _{p0} ports	8
Cable lengths	max. 1 km balanced line (shielded twisted pair) 0.4 mm Ø max. 1.5 km balanced line (shielded twisted pair) 0.6 mm Ø max. 2 km balanced line (shielded twisted pair) 0.8 mm Ø No terminal resistor required!
Frequency range	300 Hz...7 kHz
Communication protocols	U _{p0} : Neumann-WL protocol IP: Neumann-DS-6 protocol
LAN interface	8 (redundant 2 x 4)
IP hardware interface	LAN: 100-BASE-T Autonegotiation Ethernet: Ethernet in conformity with IEEE 802.3u (100 Mbit/s)

Environmental data

Admissible temperature range	+5°C ... +40°C
Protection class	IP20 in conformity with DIN EN 60529

Accessories

Art.-No.	Article	Description
21 9 3209 049 3	Stabilizer for 19“ devices	Stabilizer in installation or pivoting frame for 19“ devices
1 6XX X ¹	WFD U _{p0}	Weatherproof digital U _{p0} call station
5 600 1	TIMM config	TIMM Configuration Intercom Software
3 358 9	TIMM ComServer SMART	TIMM SMART Server

1) : different models; product numbers according to individual requirements.

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