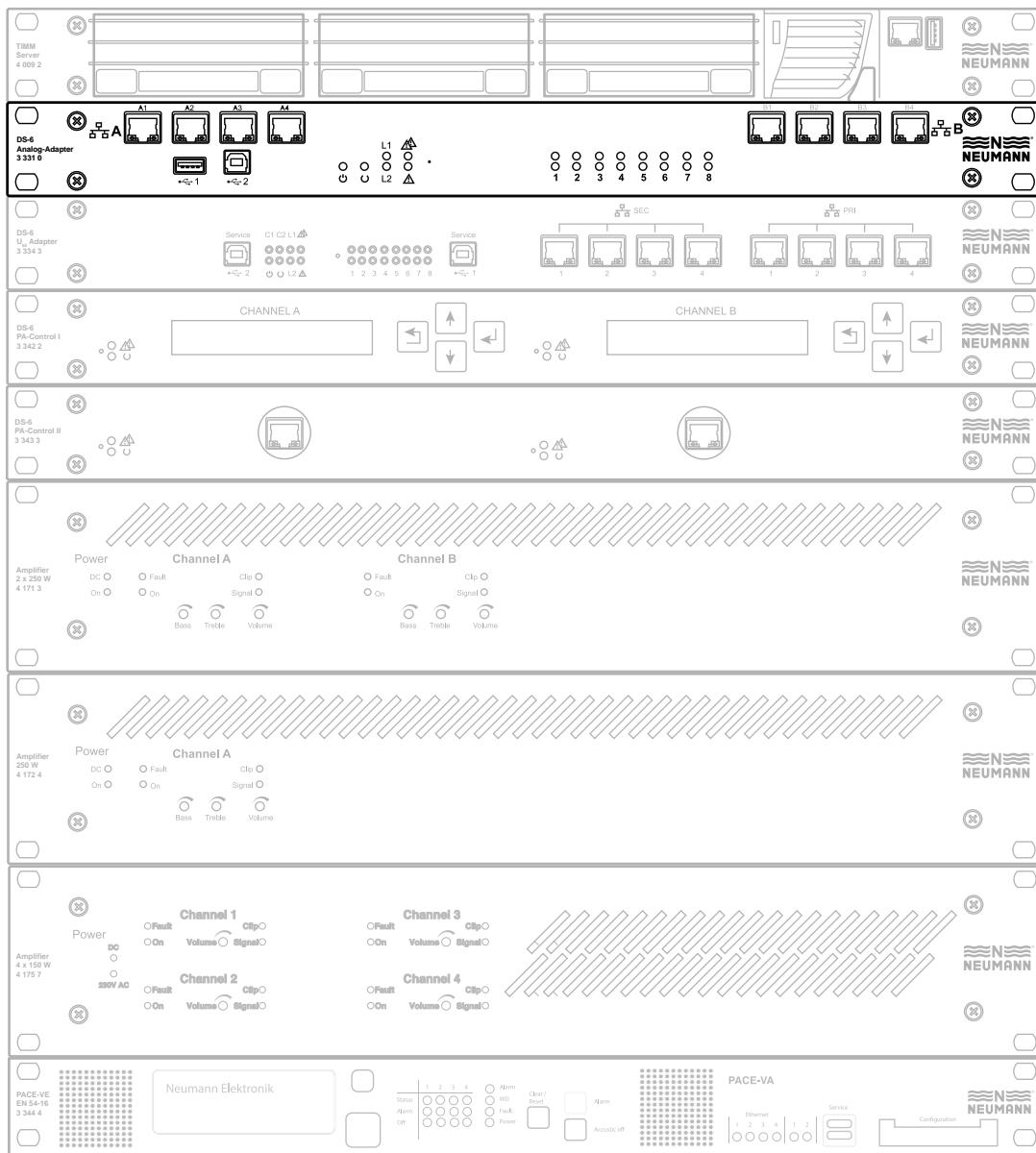


Overview

DS-6 Analog-Adapter, 8 Folds optional with adjustable line voltage



**3 331 0
3 337 6**

DS-6 Analog-Adapter, 8 Folds
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Approved Neumann Elektronik quality

configurable over serial interface

fuse monitoring

operating voltage monitoring of analog-adapter

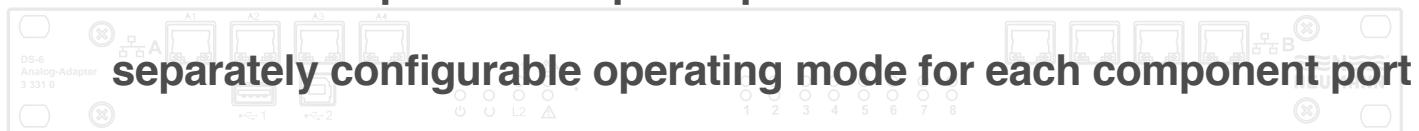
**operating voltage monitoring of line circuit
and call station energizing**

operating current monitoring of the call stations

temperature monitoring

watchdog

switchable input and output impedance



separately configurable operating mode for each component port
special operating modes possible, e.g. by using call stations
maximum extended to 32 lines

2 two-way contacts for fault indication

galvanic isolation of line connection / control lines

Betriebsart für jeden Komponentenport getrennt konfigurierbar

**c-point control and line voltage are configurable
with jumper in the housing**

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The DS-6 Analog-Adapter can be used as an adapter respectively interface for the connection of analogue calls stations, amplifier and other analogue components to the decentralized communications system DS-6.

The Analog-Adapter enables users to connect eight call station respectively eight amplifiers for max. four loudspeaker circuits per amplifier. A user-defined mixed combination of call stations, amplifiers and analogue components is also possible.

The DS-6 Analog-Adapter includes two redundant switches that connect eight analog subscribers with each other. The Analog-Adapter, when used as a stand-alone device, constitutes a small net node for eight analog subscribers. Additionally, every switch has four Ethernet ports for a redundant network design as well as redundant cascading of the devices.

Configuration

3 331 0	Reduction of line voltage approx. 4V
3 337 6	Reduction of line voltage approx. 4V, 10V, 16V

Mechanical data

Installation dimensions (H x B x T)	Width: 19“, Height: 1HE according to DIN EN 60297 43 x 483 x 284 mm
Weight 3 331 0: 3 337 6:	approx. 4,1 kg approx. 4,5 kg

Technical data

Operating voltage range	48 V...60 V
Power input for 48V DC without line and call station energizing current	approx. 600 mA
Call station energizing current	max. 1,25A per call station
Line current rating (maximum used line current)	90 mA
Frequency range	300 Hz...10 kHz
Line level	0 dB/775 mV
Cable length analog interface	max. 3km balanced line (shielded twisted pair) 0,8mm Ø
Input impedance	Ri = 600R oder 10K (configurable)
Output impedance	Ri = 600R oder 100R (configurable)
Communication protocol IP	Neumann DS-6 protocol
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 ... +40°C
Protection class	IP20 in conformity with DIN EN 60529

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Component parts	Art. No.	Article	Description
	97 9 3814 022 5	Cage nut M6	
	99 8 3723 68 5	Screw M6x16	
	99 8 5524 05 7	Washer 6,4	
	21 3 3209 049 3	Stabilizer for heavy 19" devices	
	1 750 3	MTSA 8 Keys	Multifunctional desk station
	1 751 4	MTSA 16 Keys	Multifunctional desk station
	1 752 5	MTSA 24 Keys	Multifunctional desk station
	1 753 6	MTSA 32 Keys	Multifunctional desk station
	1 590 5	WFA	Weatherproof call station analogue version
	1 589 3	WFA 3 Lines	Weatherproof call station analogue version
	1 588 2	WFA 2 Lines	Weatherproof call station analogue version
	1 575 8	WFA-EX 1 Double gag	Weatherproof call station explosion-proof analogue version
	1 579 2	WFA-EX 2 Double gag	Weatherproof call station explosion-proof analogue version
	1 577 0	WFA-EX 3 Double gag	Weatherproof call station explosion-proof analogue version

As well as other Neumann Elektronik products that have an analogue interface. A compact overview of the connection options can be found in the DS-6 module overview diagram on the following pages.

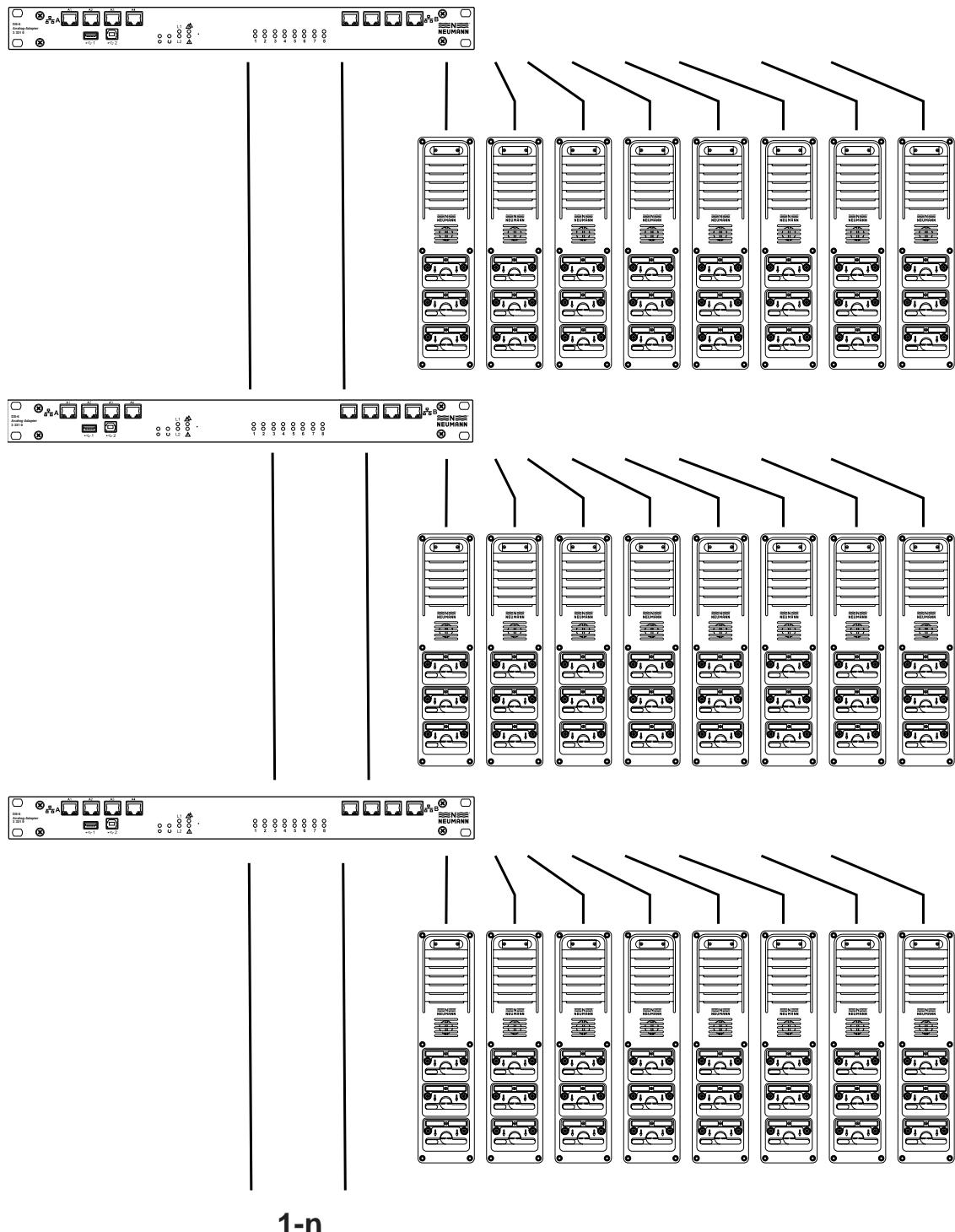
**3 331 0
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Example cascading

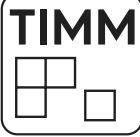


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N
NEUMANN®



Control centre

Industrial control

Video

Telephone

Process control

Access control

Evacuation

emergency call

Personal radio

Fire alarm system

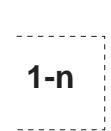
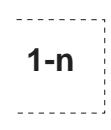
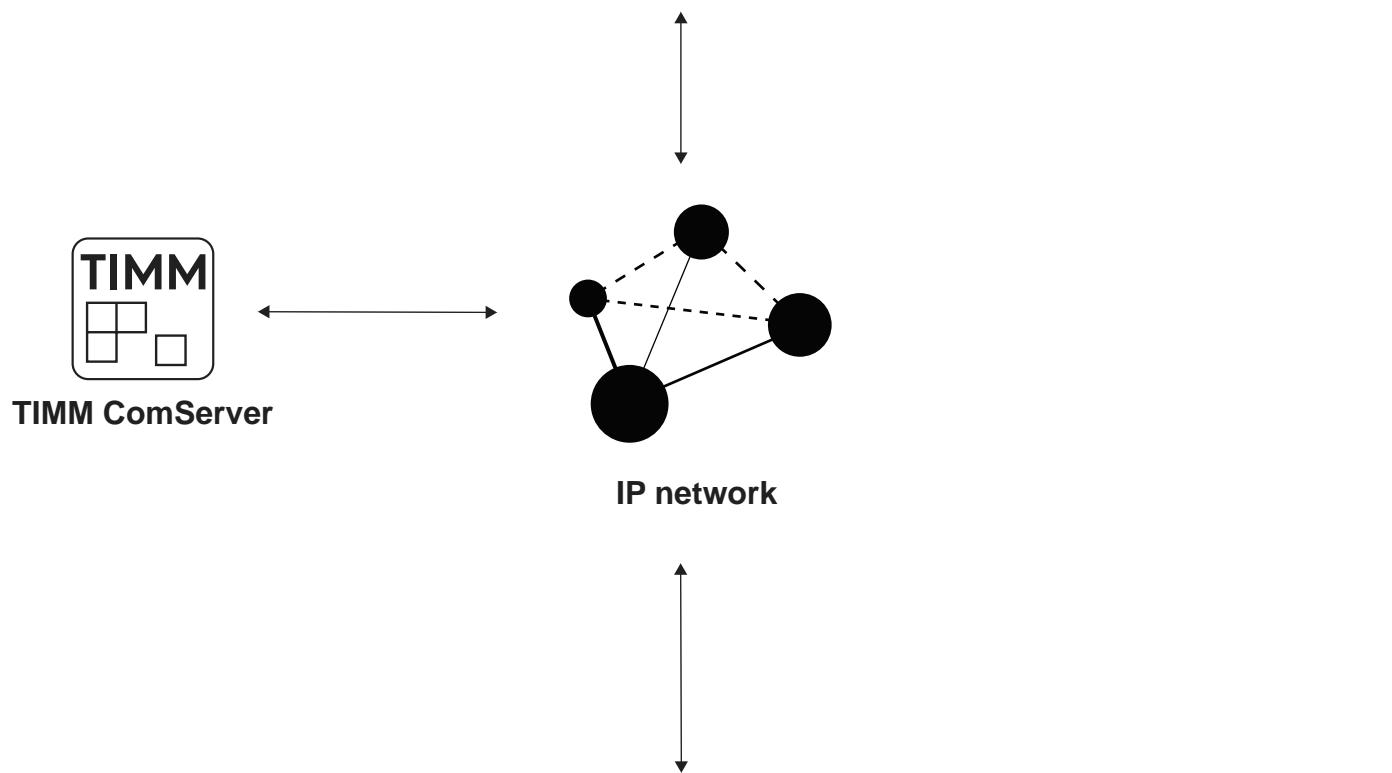
Intercom

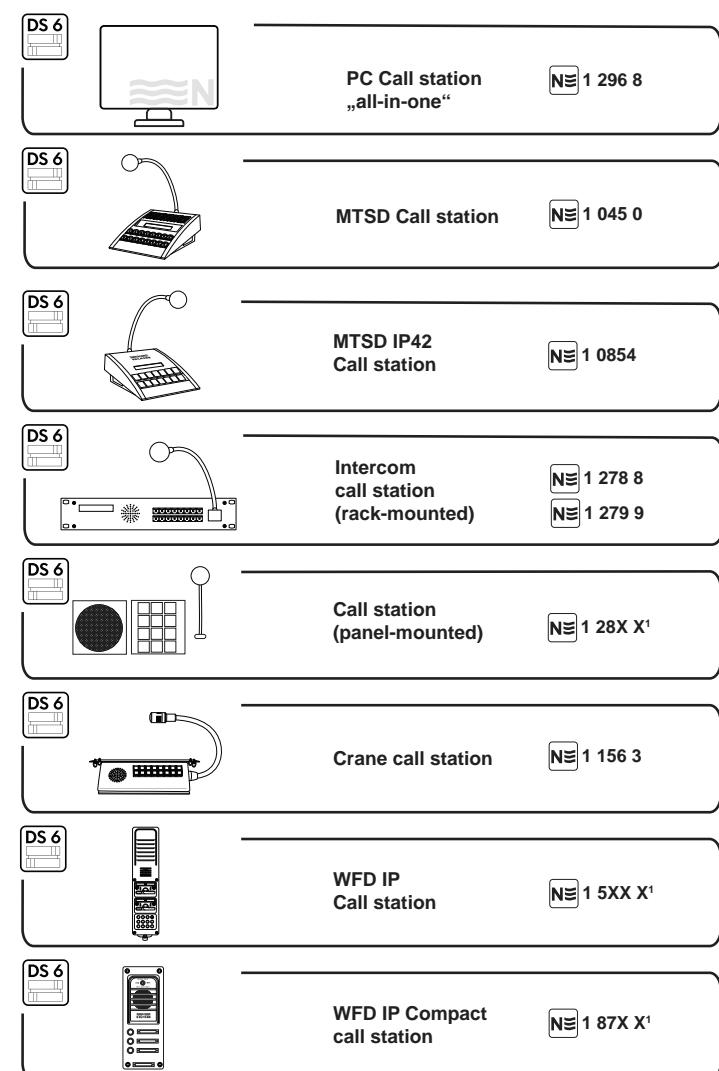
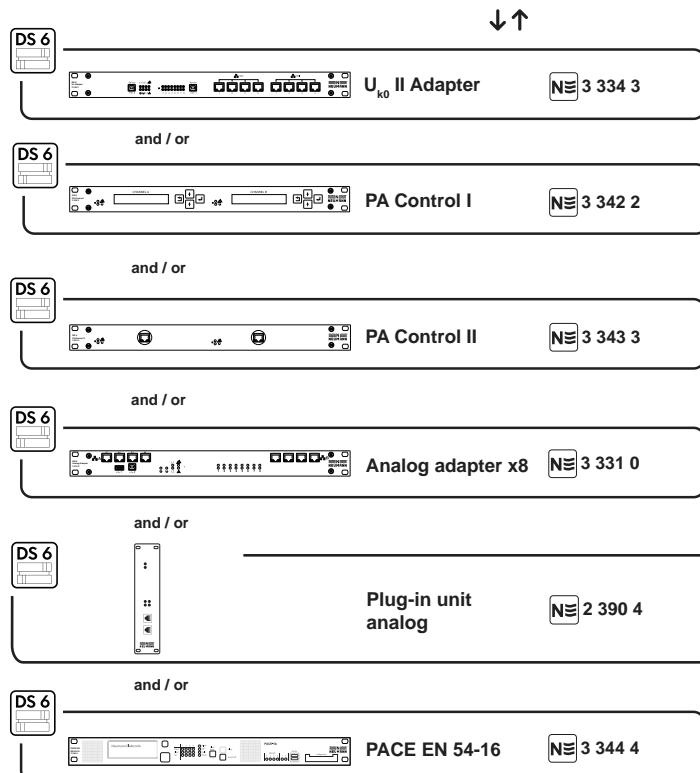
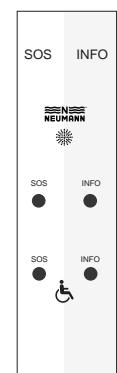
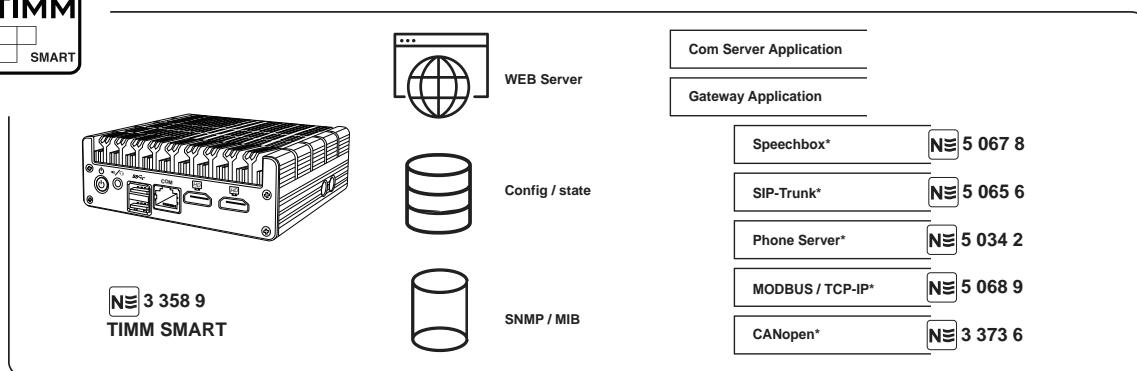
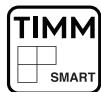
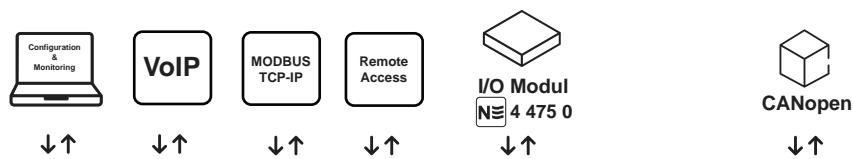
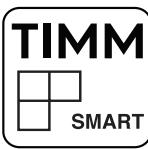
Emergency exit control

Public address system

Radio

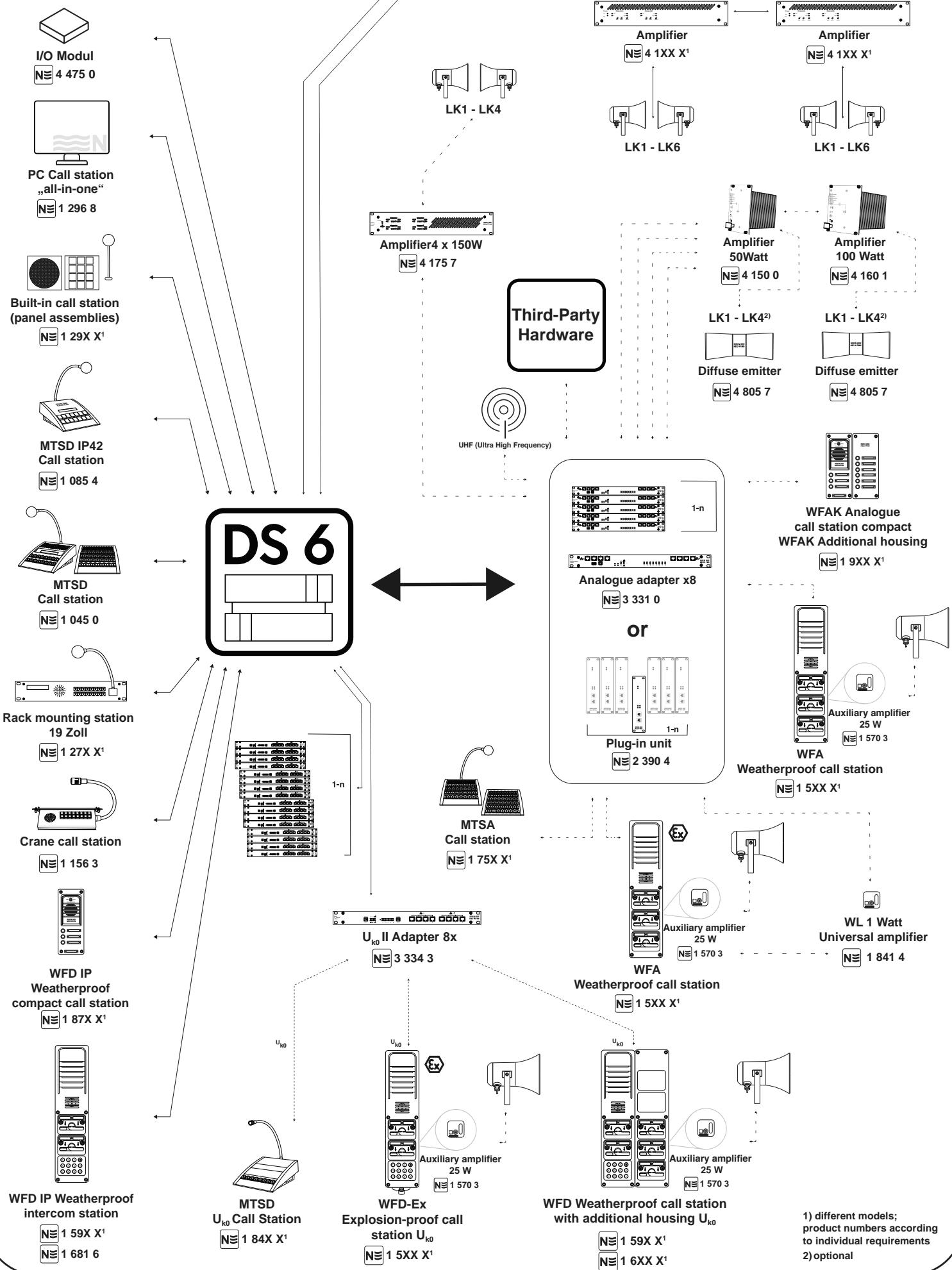
Building services engineering







EN 54 - 16





tunnel horn/ boundary horn speaker

N° 4 76X X



tunnel horn/ boundary horn speaker

N° 4 76X X



Desktop call station PACE-CSTP
DIN EN 54-16, Touch screen

N° 1 357 6



Desktop call station PACE-CS20
DIN EN 54-16, 20 Keys

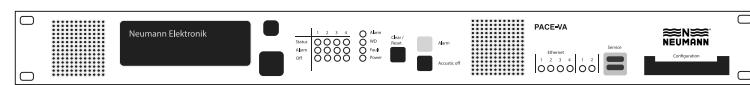
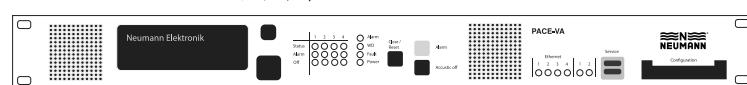
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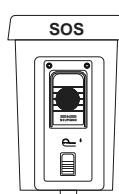
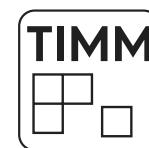
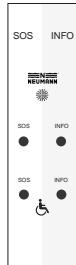
1-n

Voice alarm center unit
PACE-VA, EN54-16

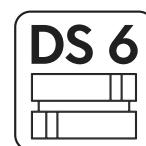
N° 3 344 4



I/O Modul
N° 4 475 0



Emergency call station
N° 1 0XX X¹



1-n



Control center
(OMC)



Control center
(OMC)

I/O Modul
N° 4 475 0

Analogue adapter x8
N° 3 331 0

1-n

MTSD
Desktop call station
N° 1 045 0

PC call station
„all-in-one“
N° 1 296 8

I/O Modul
N° 4 475 0

Analogue adapter x8
N° 3 331 0

¹ different models; product numbers according to individual requirements



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