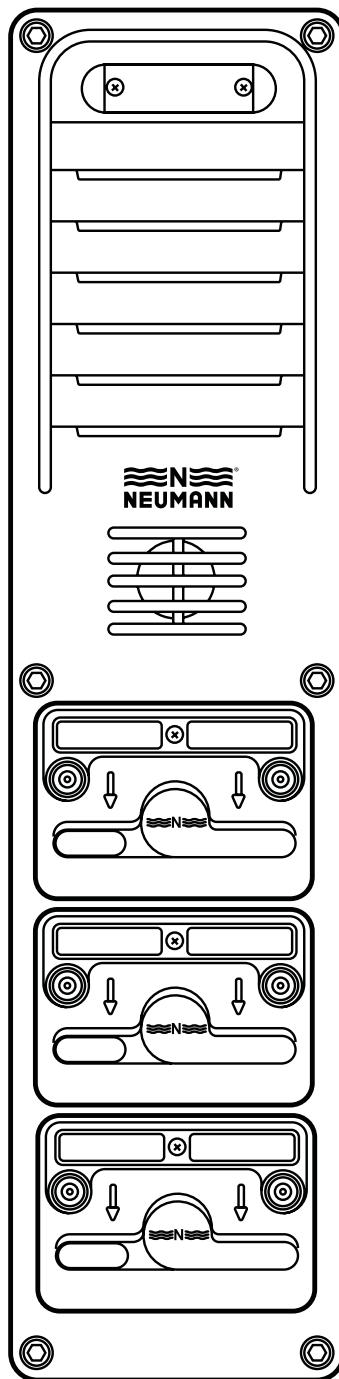
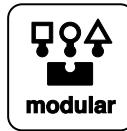
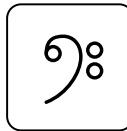
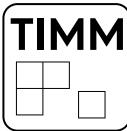
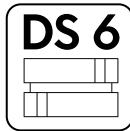


Overview

# Weatherproof digital IP call station DS-6 in intercom technology



1 573 6

Weatherproof digital IP call station  
Edition 01-2020 / Seite 1  
© Neumann Elektronik GmbH

Ver. 08.01.21 13:16

 NEUMANN

# Established Neumann Elektronik quality

**Full compatibility with DS-6 system**

**Remotely configurable and monitorable**

**Switchable volume reduction e.g. for night operation**

**Built-in electret microphone**

**Integrated loudspeaker**

**Microphone surveillance**

**Standard lower-priority circuit**

**Adjustable loudspeaker volume**

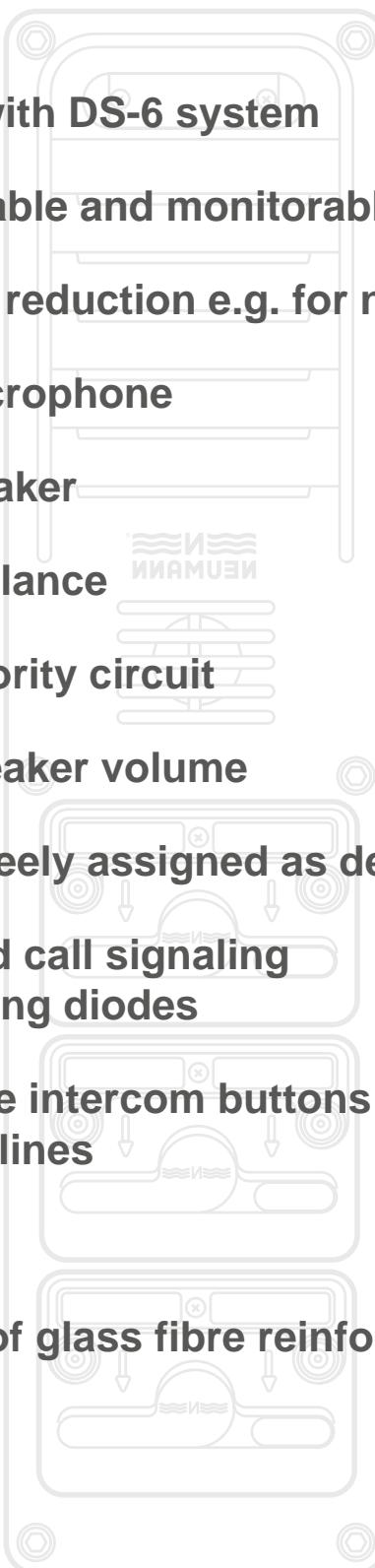
**Line keys can be freely assigned as destination keys**

**Display of busy and call signaling  
through light-emitting diodes**

**Three double toggle intercom buttons with opto-cou-  
plers, each for two lines**

**One PoE interface**

**Dust and waterproof glass fibre reinforced  
polyester housing**



The weatherproof digital WFD-IP DS-6 intercom station allows direct intercom connections with other stations and loudspeakers.

It is suitable for indoor as well as outdoor use and in harsh environments, e.g. in heavy industry.

The call station is designed for wall mounting.

The weatherproof digital WFD-IP DS-6 call station is PoE powered.

By pressing the robust double toggle intercom buttons, contactless light barrier (opto-coupler) is activated, which allows a permanent use in aggressive and humid environments.

#### Mechanical data

Number of double toggle speech keys	3
Housing dimensions (H x B x T)	500 x 120 x 180 mm
Weight	approx. 6,5 kg
Housing colour	pure orange (RAL 2004)

---

#### Electrical data

Powering interfaces	1xPoE
Nominal power consumption	5W
Maximum power consumption	10W
Nominal output power of amplifier	1 W
Frequency range	300 Hz bis 10 kHz ( $\pm 3$ dB)
Transmission protocol	IP protocol
Ethernet interfaces	1

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#### IP hardware interface

LAN	100-BASE-T
Ethernet	Ethernet, in conformity with IEEE 802.3u (100Mbit/s)

---

#### Environmental conditions

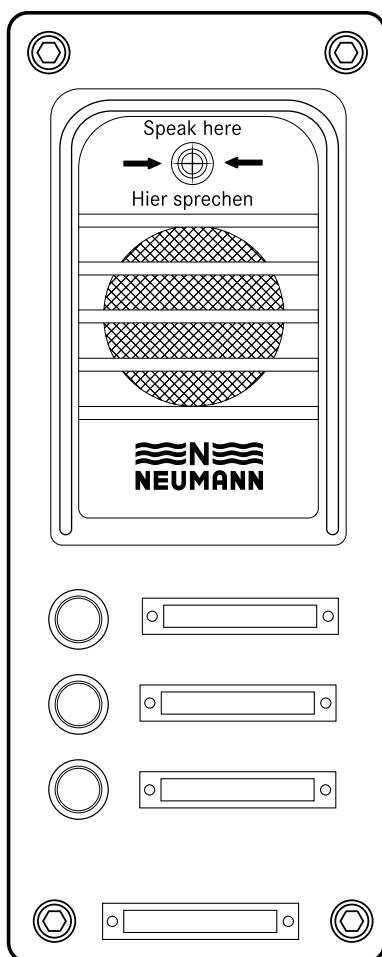
Admissible temperature range	-20°C bis +55°C
Protection class according to DIN EN 60529, respectively IEC 60529	IP66

<b>Accessories</b>	<b>Art. No.</b>	<b>Article</b>	<b>Description</b>
	1 950 5	Stand column	To use the call station as a pillar
	64 9 0109 031 3	weatherproof Sound absorbing bonnet	Sound absorbing bonnet for outdoor use
	64 9 0109 004 3	Sound absorbing bonnet	Sound absorbing bonnet for indoor use
	21 2 1831 193 1	Blank Panel	Instead of a double toggle intercom button
	97 9 4413 561 9	Hexagon spanner SW5	For hexagon socket screws on the housing cover
	22 9 0501 560 0	Mounting kit	Adapter for mounting holes of older Intercom stations, incl. two mounting brackets and four hexagon head screws M6 x 18

**1 573 6**

# Weatherproof digital IP stations

## Alternative products



**1 87X X**

## Weatherproof digital IP Call Station **(WFD-COMPACT-IP)**

- Dust and waterproof glass fibre reinforced polyester housing
- Three illuminated push-to-talk buttons, each for one line
- Integrated loudspeaker and electret microphone
- Line keys can be freely assigned as destination keys
- Display of busy and call signalling by means of integrated illuminated rings in the illuminated pushbuttons
- Full compatibility with DS-6 system
- Remotely configurable and monitorable via the DS-6 network
- Mounting takes place after lifting off the housing cover through 4 mounting holes in the basic housing
- Adjustable loudspeaker volume
- Microphone monitoring
- Standard lower-priority circuit
- Switchable volume reduction e.g. for night operation
- Up to two Ethernet interfaces for redundant operation
- Optional industrial USB voice memory with alarm tones or announcements
- Depending on the art. no., a PoE interface (1 873 9) or for redundant power supplies one PoE and two DC interfaces (1 872 8) or two PoE interfaces (1 874 0)
- Optional range extension up to one thousand metres via two-wire modem for mounting in the call station housing
- Optional range extension up to five thousand metres via multimode fibre optic converter for mounting in the call station housing
- Potential-free change-over contact for flashlight control

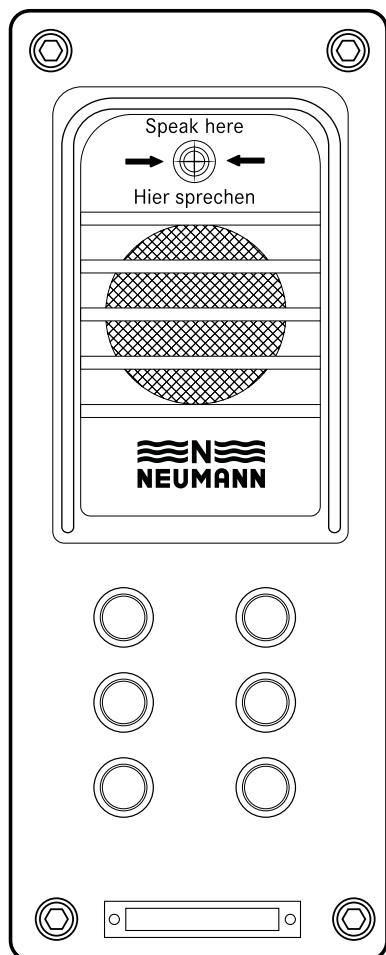
**1 573 6**

# Weatherproof digital IP stations

## Alternative products

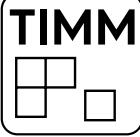
1 875 1

### Weatherproof digital IP Call Station (WFD-COMPACT-IP)



- Dust and waterproof glass fibre reinforced polyester housing
- Six push/talk buttons, each for one line
- Integrated loudspeaker and electret microphone
- Line keys can be freely assigned as destination keys
- Full compatibility with DS-6 system
- Remotely configurable and monitorable via the DS-6 network
- Mounting takes place after lifting off the housing cover through 4 mounting holes in the basic housing
- Adjustable loudspeaker volume
- Microphone monitoring
- Standard lower-priority circuit
- Switchable volume reduction e.g. for night operation
- Optional industrial USB speech memory with
- Alarm tones or announcements
- Power supply via PoE interface

1 573 6



**Control centre**

Telephone

Evacuation

Fire alarm system

Public address system

**Industrial control**

Process control

emergency call

Intercom

Radio

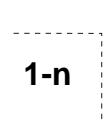
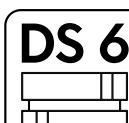
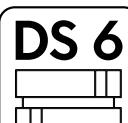
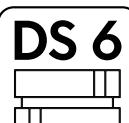
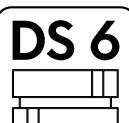
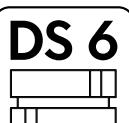
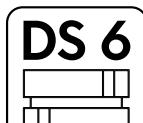
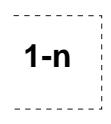
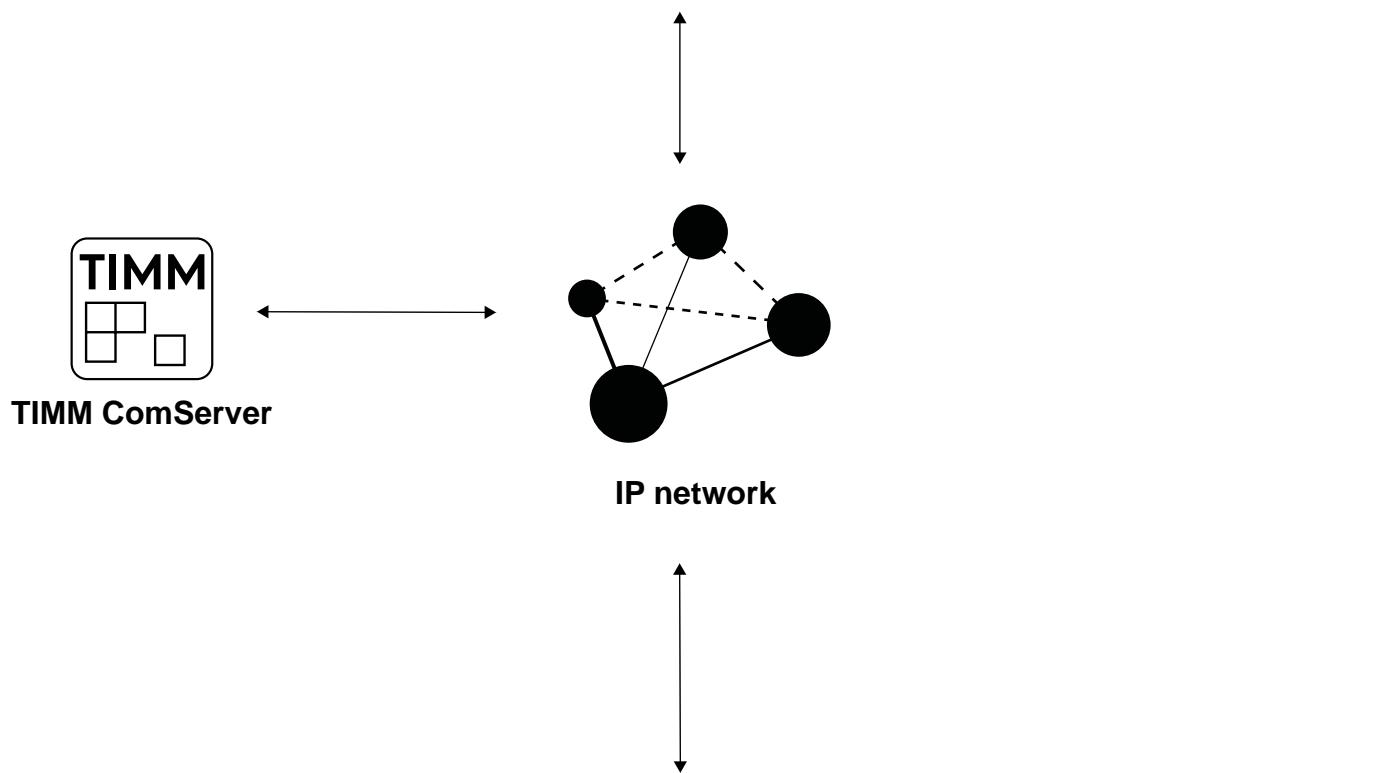
**Video**

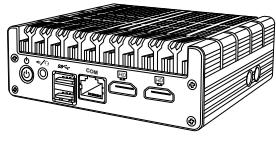
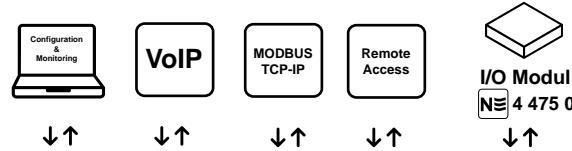
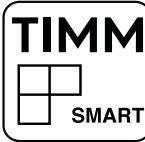
Access control

Personal radio

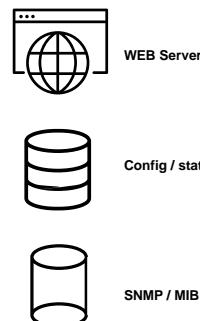
Emergency exit control

Building services engineering

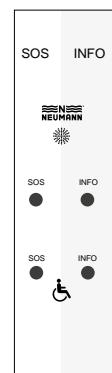




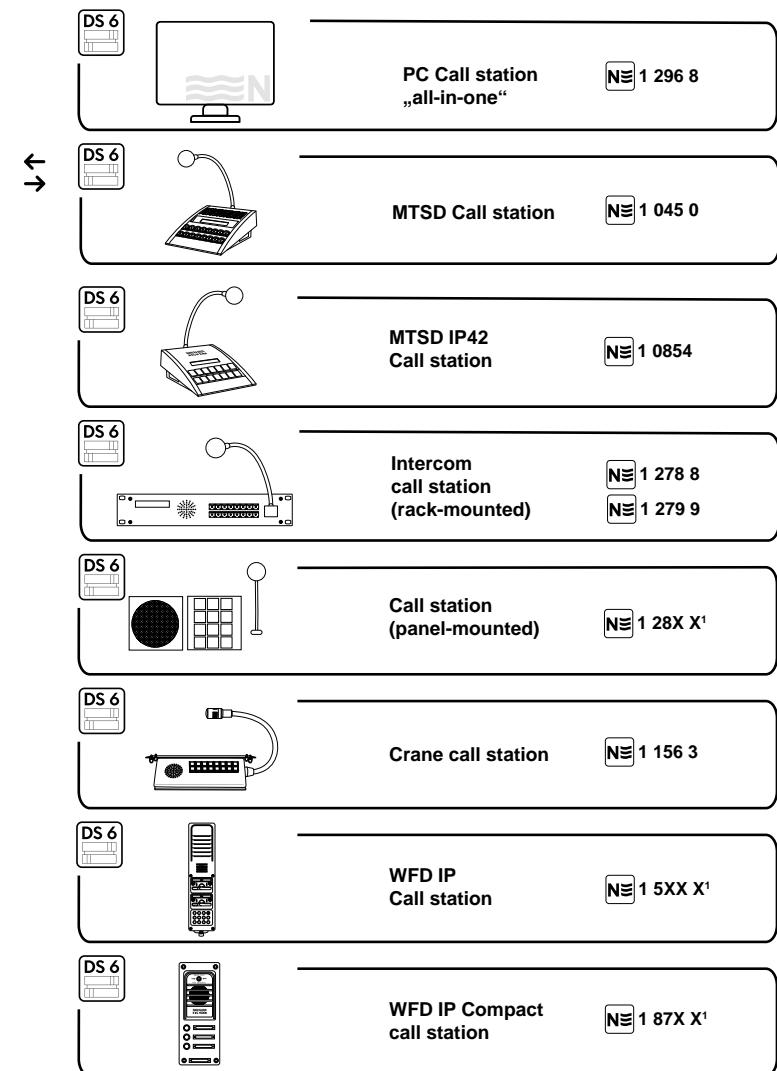
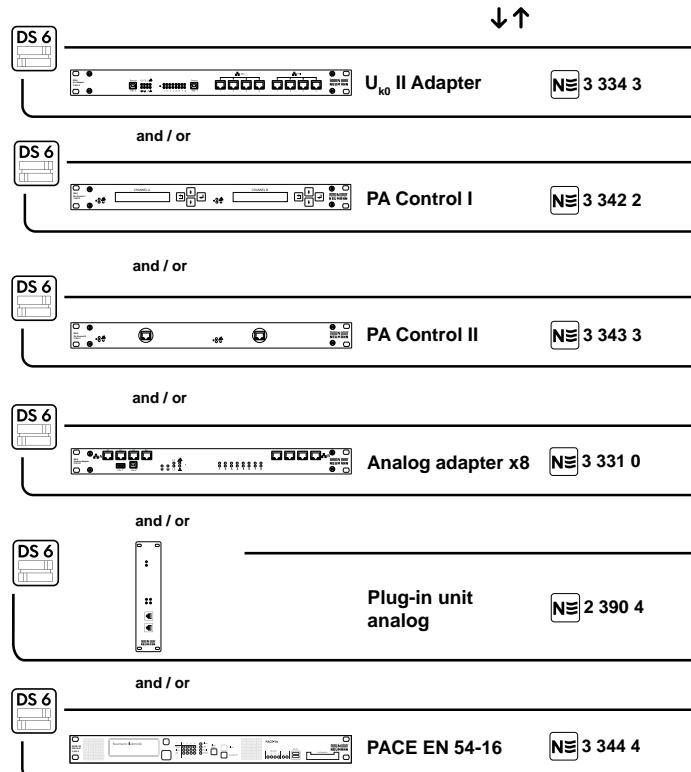
**NE 3 358 9**  
TIMM SMART

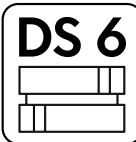


Com Server Application
Gateway Application
Speechbox* <b>NE 5 067 8</b>
SIP-Trunk* <b>NE 5 065 6</b>
Phone Server* <b>NE 5 034 2</b>
MODBUS / TCP-IP* <b>NE 5 068 9</b>
CANopen* <b>NE 3 373 6</b>

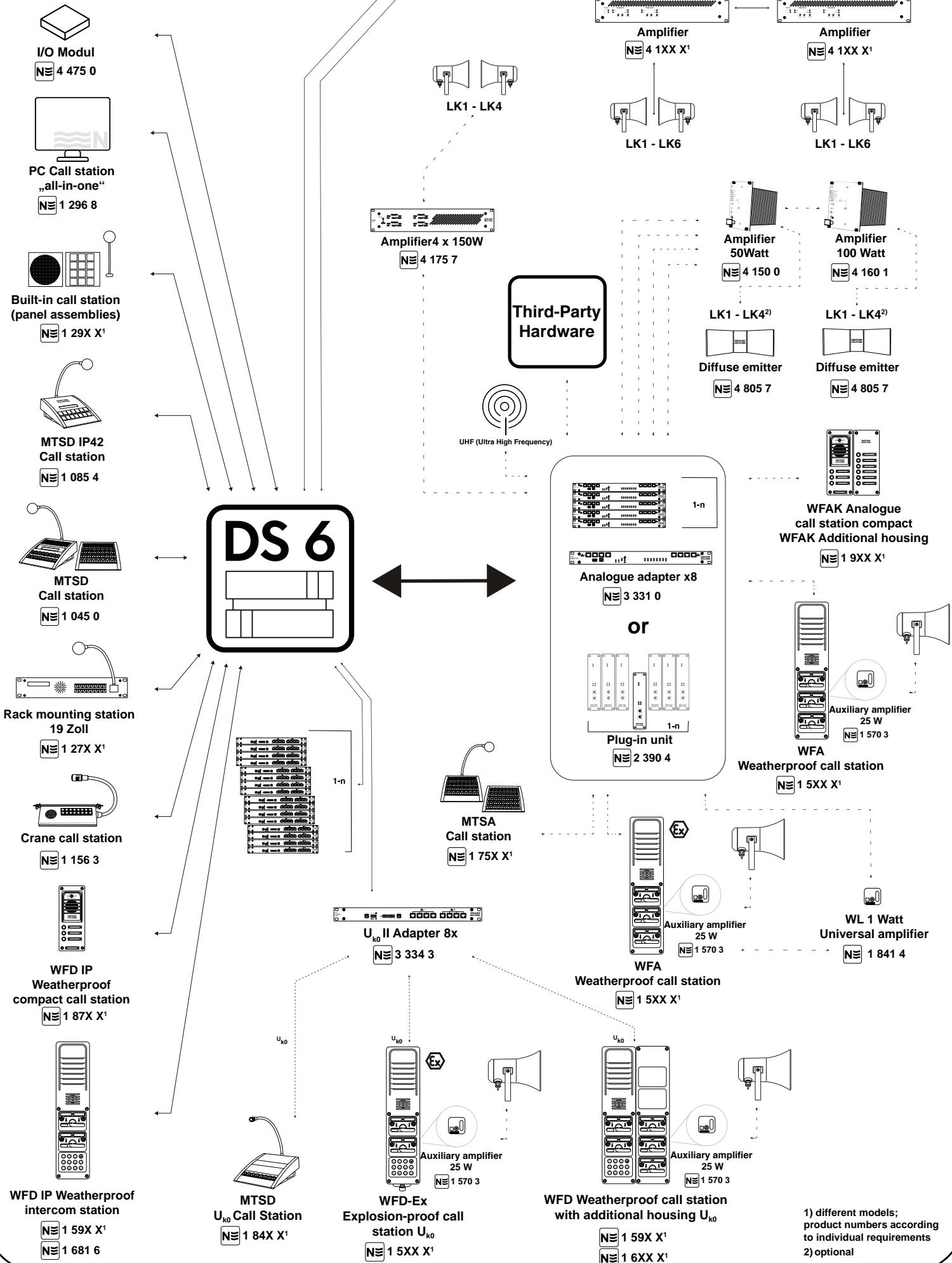


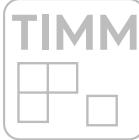
←  
NIS  
→





EN 54 - 16





tunnel horn/ boundary horn speaker

N° 4 76X X



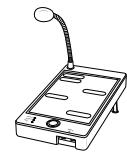
tunnel horn/ boundary horn speaker

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

N° 1 355 4

1-n

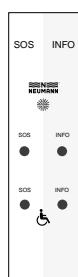
Voice alarm center unit  
PACE-VA, EN54-16

N° 3 344 4



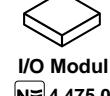
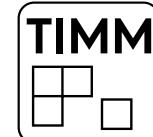
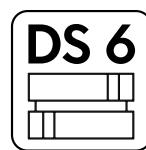
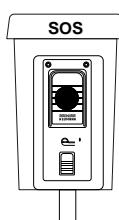
PACE-VA

NEUMANN Configuration



Emergency call station

N° 1 0XX X<sup>1)</sup>



I/O Modul

N° 4 475 0



MODBUS  
TCP-IP



CANopen

Control center  
(OMC)

1-n



9 9 9 9  
1 1 1 1  
1 1 1 1  
9 9 9 9



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-n

<sup>1)</sup> different models; product numbers according to individual requirements



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[www.neumann-elektronik.com](http://www.neumann-elektronik.com)**

**1 573 6**