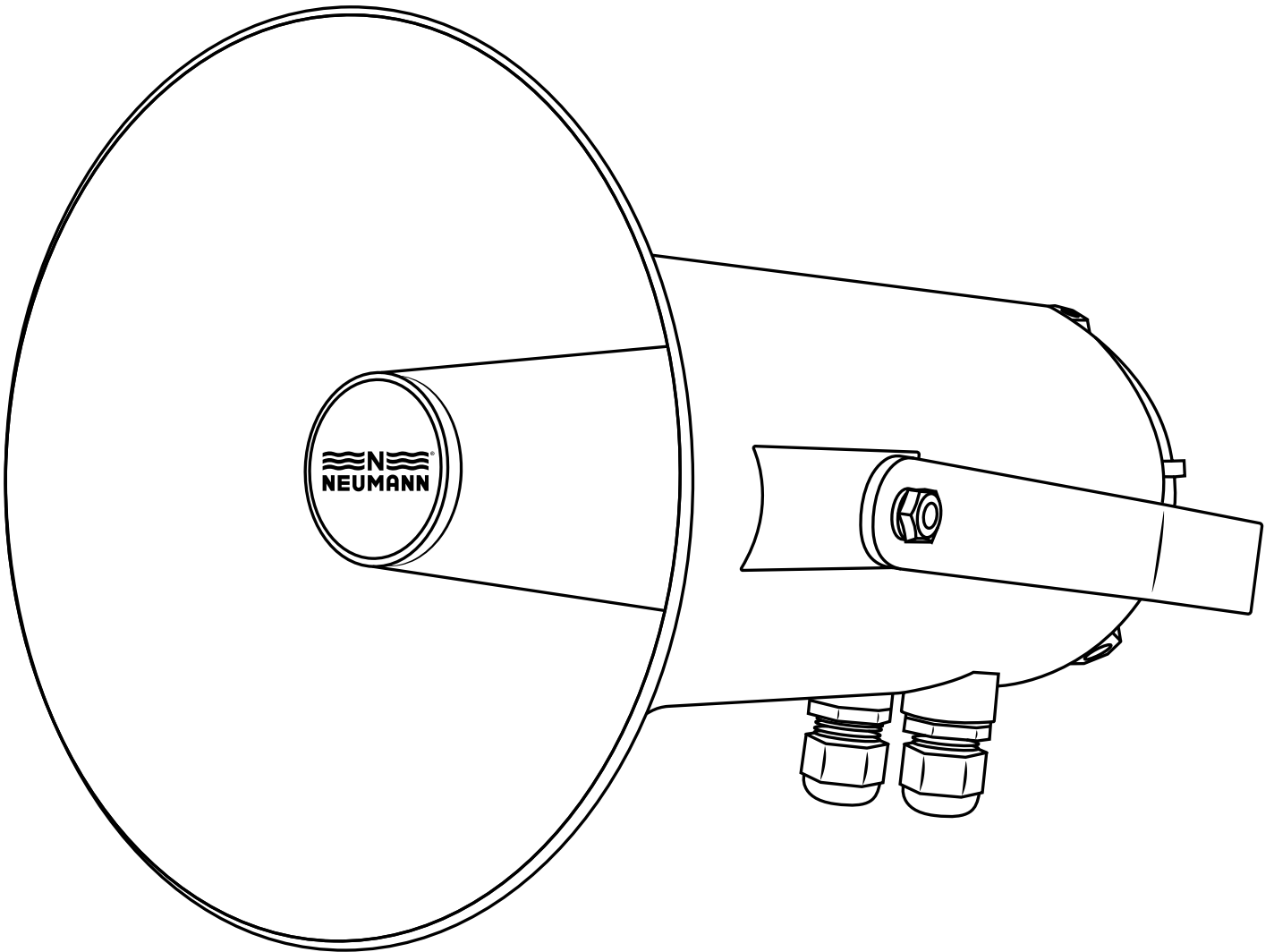


Overview

# Explosion-proof loudspeaker

## Horn loudspeaker 25W / 100V, ex-proof, IP65, polyamide conductive



4 970 0

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# Approved Neumann Elektronik quality



- **Explosion-proof, dustproof and waterproof housing made of conductive plastic (polyamide).**
- **Funnel and centre section made of flame-retardant, glass-fibre reinforced polyester (colour- and light-resistant)**
- **Suitable for use in Ex zones 1, 2, 21 and 22**
- **Easy replacement of all electronic components thanks to pressure-resistant encapsulation (not sealed)**
- **Robust construction, corrosion and heat resistant**
- **Good speech reproduction, high syllable intelligibility**
- **High efficiency, good directivity**
- **6-fold adjustment of the impedance / volume**
- **Double folded exponential funnel**
- **Sintered metal filter**
- **Temperature fuse**
- **Two ATEX approved cable entries (M20 EExe ATEX), one with replaceable blind plug**
- **U-shaped stainless steel bracket, swivelling**
- **Low weight, easy mounting<sup>1)</sup>**

1) For assembly, we recommend using the sickle spanner art.-no.: 979 4410 001 5.

The explosion-proof pressure chamber loudspeaker has been designed for use in hazardous areas of zones 1, 2, 21, 22 and in all temperature classes (environments with gases and vapours with an ignition temperature  $> 85^{\circ}\text{C}$  and  $\leq 100^{\circ}\text{C}$ ).

In addition, the extremely corrosion- and heat-resistant loudspeaker is particularly suitable for use in wide-area, loud and harsh environments and is characterised by high efficiency, excellent syllable intelligibility as well as good directivity.

In addition to central speech via power amplifiers, it can also be connected as a call loudspeaker to Neumann WFD ex-proof call stations.

Art.-No.	4 970 0
<b>Mechanical data</b>	
Weight	Approx. 4.0kg
Dimensions (DxL)	Ø 235mm x 345mm
Housing colour	Black
Material	Conductive plastic (polyamide)
Cable entry <sup>2)</sup>	2x M20
<b>Electrical data</b>	
Nominal power	25W / 100V
Transformer adjustment (100V)	25; 12; 8; 6; 3; 1W
Impedance	0.4; 0.83; 1.25; 1.66; 3.33; 10kΩ
Transmission range (-10db)	300Hz ... 7kHz
Mean sound pressure (1W / 1m)	106dB
Max. sound pressure (Pmax / 1m)	118dB
<b>Environmental conditions</b>	
Environmental temperature range	-30°C ... +50°C
Protection class acc. to DIN EN60529	IP65
<b>Ex approvals</b>	
According to EC Directive 94/9/EC	 II 2 G EEx de IIC T6
According to EC Directive 94/9/EC, III-6	 II 2 Ex tD A21 IP65 T 80°C

2) Delivery with plastic cable glands

Accessories / Article	Description	Art. no.
Sickle spanner		979 4410 001 5
Blind plug for cable gland M20	Ø 12mm	969 1622 311 0
Ex cable gland plastic	1x M20	969 1622 302 0

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