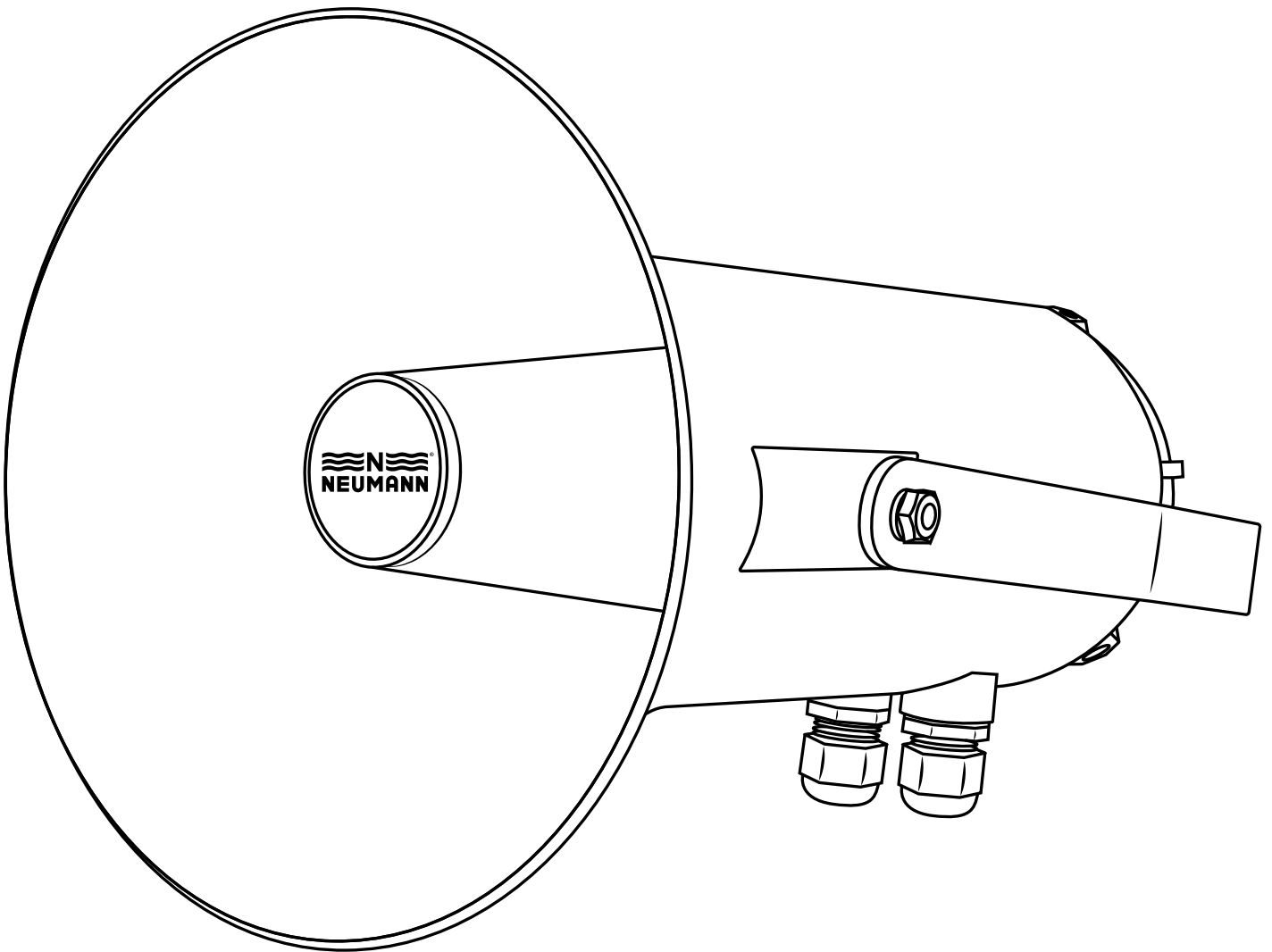


Explosion-proof loudspeaker

Horn loudspeaker 30W / 8Ω, ex-proof, IP65, polyamide conductive



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**
- **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 mounting¹⁾**

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°C and ≤ 100°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.

Art.-No.	4 971 1
Mechanical data	
Weight	Approx. 3.6kg
Dimensions (DxL)	Ø 235mm x 345mm
Housing colour	Black
Material	Conductive plastic (polyamide)
Cable entry ²⁾	2x M20
Electrical data	
Nominal power	30W
Impedance	8Ω
Transmission range (-10db)	300Hz ... 7kHz
Mean sound pressure (1W / 1m)	106dB
Max. sound pressure (Pmax / 1m)	119dB
Environmental conditions	
Environmental temperature range	-30°C ... +50°C
Protection class acc. to DIN EN60529	IP65
Ex approvals	
According to EC Directive 94/9/EC	Ex II 2 G EEx de IIC T6
According to EC Directive 94/9/EC, III-6	Ex 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

Neumann Elektronik GmbH owns a registered trademark (brand). Other products and company names mentioned are trademarks or registered trademarks of their respective owners.

Misprints, errors, technical or other changes as well as changes in the availability of individual products are expressly reserved. © Neumann Elektronik GmbH, 2023

Neumann Elektronik GmbH

**Lahnstrasse 31-33
45478 Mülheim an der Ruhr
Germany**

**info@neumann-elektronik.com
www.neumann-elektronik.com**

**Tel: +49 208 40 944 0
Fax: +49 208 40 944 260**



4 971 1

Edition 01-2023 / Page 4
Ver. 29.01.23 14:18 © Neumann Elektronik GmbH
Technical data and product information may vary or be changed without prior notice.

NEUMANN