



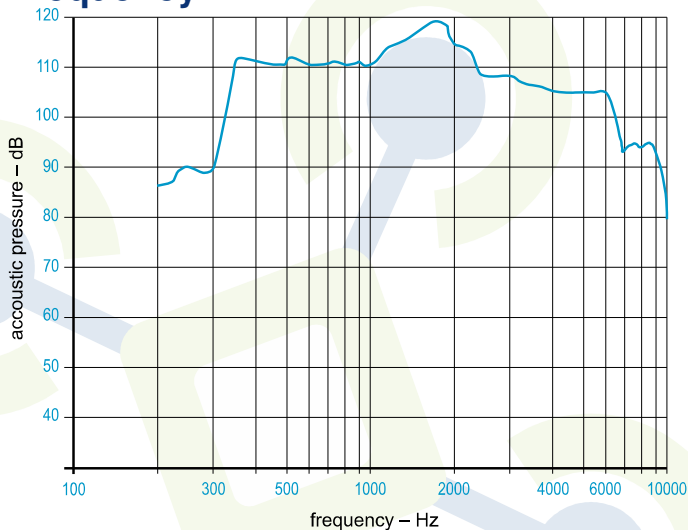
Features

- Ex-proof loudspeaker for emergency communications and for warning, calling, indicating in explosion endangered areas of zone 1 and 2
- Power up to 25 W at sound pressure levels up to 119 dB (A) in 1 m
- Built-in 100 V transformer – for connection to 100 V loudspeaker systems
- Antistatic, UV-resistant synthetic housing
- Low weight, robust and corrosion proof design
- Insulation class II – no equipotential bonding required
- Excellent acoustic quality
- Gas tight encapsulated transformer module
- Acoustic pressure chamber is separated from environment via a special sinter metal filter

Approvals

- ATEX certificate: PTB 03 ATEX 1231,
EN 60079-0 : 2004, EN 60079-1 : 2007, EN 60079-7: 2007
EN 60079-18 : 2004, EN 61241-0 : 2006, EN61241-1 : 2004

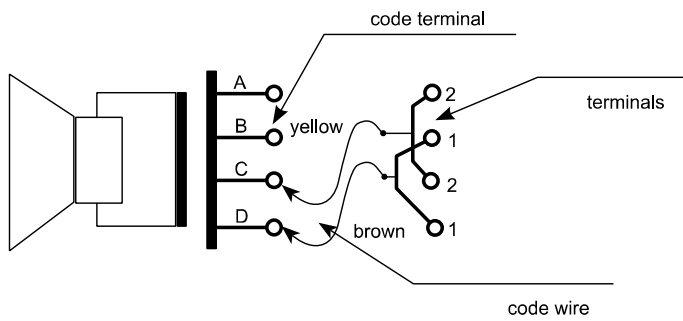
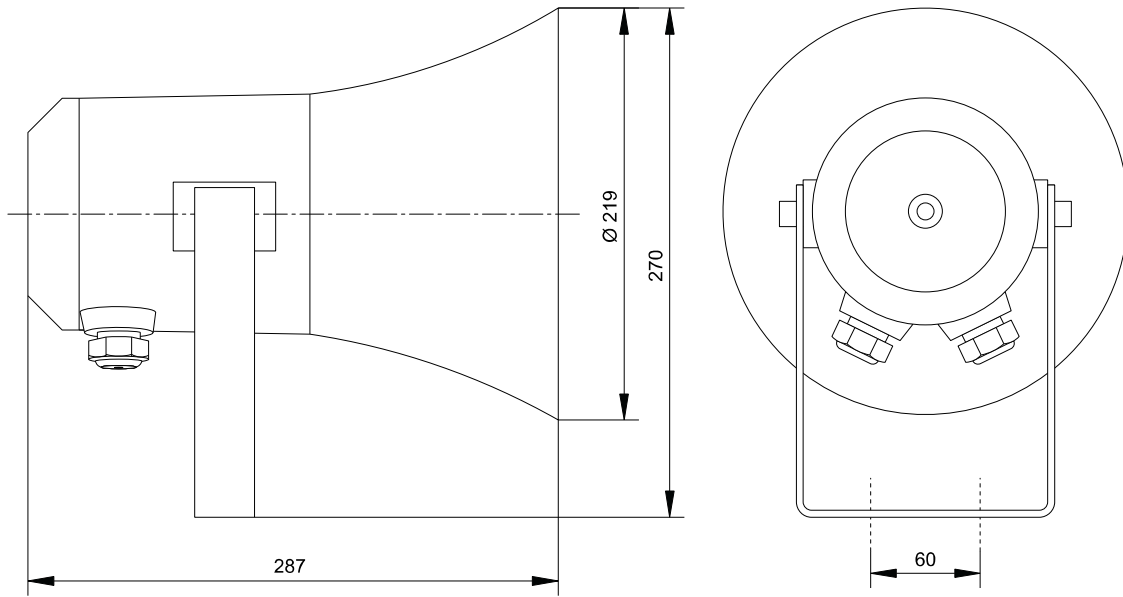
Frequency



Technical data

Type	dHS
Ingress protection	IP66
Temperature range	-55° to +80°C
Sound pressure	119dB
Housing, Colour	antistatic UV-resistant synthetic housing, black RAL 9005
Terminal	2,5mm ² (AWG) fine wire, 4,0mm ² single wire
Cable entry	2 x cable gland M20 x 1,5
Mounting	as required - swivelling mounting bracket
Insulation class	II no equipotential bonding required
Weight	3,5kg
Input-Output feed through	up to 20 loudspeakers resp. max. 500W
Supply voltage	100V
Max. power 70-15.000Hz	25W
SPL 25W/1m	119dB(A)
SPL 1W/1m	107dB(A)
Transmission range	230-10.000Hz
Transmission range acc.to IEC 60268	330-6.200Hz
Distortion factor 1W/1kHz	≤ 4%
Distortion factor 10W/1kHz	≤ 5%
Angle of radiation 1kHz-6dB	130°
Angle of radiation 4kHz-6dB	40°





Coding via internal stranded hook-up wires: polarity (yellow/brown)

Code wire		Power
brown	Yellow	
D*	C*	25,0W*
C	B	12,5W
B	A	8,0W
D	B	4,0W
C	A	2,0W
D	A	1,0W

*Factory setting leads 1+2 / further loops 1+2

Order data

Type	Order nr.	Classification	Denomination	Power	Temperature range
dHS	360 000 000	1	Ex-proof loudspeaker	25W	-55°C to +80°C

¹ Zone 1, 2, 21, 22

ATEX / IECEx

II 2G Ex d e mb IIC T4/T5/T6

II 2D Ex tD A21 IP66 T130°C/

T95°C/T80°C

T4 -55°C ≤ Ta ≤ +80°C

T5 -55°C ≤ Ta ≤ +65°C

T6 -55°C ≤ Ta ≤ +55°C

