

# DS Sounders



### Die-cast aluminium housing

Resistant to UV light, seawater, and many chemicals. Sturdy construction resists vandalism to ensure a high degree of functional safety.

### Selectable audible notification

Choice of 32 unique alarm tones with three stages of tone control for distinctive signalling of specific events.

### Choice of output levels

Versions for 105 dB(A) and 110 dB(A) sound pressure levels to suit a variety of signal coverage needs.

### Strong, metal mounting lugs

Ensures a safe and secure installation onto many types of surfaces.

### SIL conforming versions

Versions for Safety Instrumented Systems up to SIL 2 / PLd. Integrated self-monitoring function satisfies the requirement for routine system checks and eliminates the need for redundant devices.

### Electromagnetic sound capsule technology

Acoustic signal includes a share of low frequency side bands for excellent sound penetration of walls and doors for highly effective alarming.



### ATEX certified for Zones 2 and 22 (option)

Optional versions satisfy requirements for device category 3G and 3D in hazardous areas.

### IP 66/67 enclosure rating

Suitable for use in all weather conditions due to the provided protection against driving rain, snow, ice, and dust. Withstands hose-directed spray during wash-down requirements.

### Stainless steel cable gland

Included to ensure a high degree of electrical connection integrity.

# SOUNDERS

**IP 66**  
**IP 67**

protection system

**+55 °C**  
**-40 °C**

operating temperature

**+55 °C**  
**-25 °C**

operating temperature

**acoustic penetration**

**EN 54-3**

DS 5 | DS 10  
DS 5 | DS 10  
3G/3D ATEX

**VdS G28609**

DS 5 | DS 10  
DS 5 | DS 10  
3G/3D ATEX

**10 Years**

warranty



PRODUCT	STANDARD	DS 5		DS 10	
		ARTICLE NO.	STANDARD	ARTICLE NO.	STANDARD
ARTICLE NO.	STANDARD	23106100000	23106800000	23111100000	23111800000
ARTICLE NO.	SIL	23106100601	23106800601	23111100601	23111800601
ARTICLE NO.	3G/3D ATEX	23106100007	23106800007	23111100007	23111800007

DATA	DS 5   DS 10		DS 5-SIL   DS 10-SIL		DS 5 3G/3D   DS 10 3G/3D	
	Operating range	195–253 V SIL: 95–253 V	19–29 V	195–253 V SIL: 95–253 V	19–29 V	
Nominal current consumption	sounder	0.06 A @ 230 V	0.28 A	0.06 A @ 230 V	0.42 A	
	SIL: diagnostic channel	30 mA	20 mA	30 mA	20 mA	
Sound pressure level	105 dB(A)   110 dB(A)			105 dB(A)   110 dB(A)		
Sound level reduction	DS 5: –20 dB via potentiometer (optional)					
Alarm tones	32 / 4 tones are externally selectable, tone table on page 108					
Operating temperature	–40 ... +55 °C		–25 ... +55 °C		–25 ... +55 °C	
Protection system according to EN 60529	IP 66   IP 67					
Explosion protection				II 3G Ex nA II T4 II 3D Ex tD A22 IP 67 T135°C		
Category (area of use)				3G (Zone 2), 3D (Zone 22)		
Material	die-cast aluminium GD-Al Si12 Cu					
Surface coating	epoxy resin paint					
Cable bushing	2x M20 (1x chrome-plated brass cable fitting, 1x chrome-plated brass blanking plug)					
Dimensions (X x Y x Z)	133.5 x 133.5 x 143 mm					

For additional models, options and voltages visit [www.pfannenberg.com](http://www.pfannenberg.com) or contact us directly.

DS 5 | DS 10

GL  
30457-83-HH  
DS 5 | DS 10  
DS 5 | DS 10 3G/3D

DS 5-SIL | DS 10-SIL

DS 5

External tone selection control

Models with alternative features available upon request

DS 5 and DS 10 in 115 V AC.

Webcode  
**#3127**

Comprehensive technical documentation such as

- operating instructions, technical data, approvals
- support for planning, 3D models, CAD data

can be retrieved by entering this webcode in the search window on [www.pfannenberg.com](http://www.pfannenberg.com)

### 3D-Coverage performance data, A x B x C

Sound Level (dB(A))	DS 5 DS 5-SIL DS 5 3G/3D ATEX		DS 10 DS 10-SIL DS 10 3G/3D ATEX	
	A	B x C	A	B x C
80 dB(A)	23.1 x 27.5 x 23.1 m	33.4 x 43.7 x 33.4 m		
85 dB(A)	13 x 15.5 x 13 m	18.8 x 24.5 x 18.8 m		
90 dB(A)	7.3 x 8.8 x 7.3 m	10.6 x 13.8 x 10.6 m		

Coverage area with DIN tone and required sound levels of 80, 85 and 90 dB(A). To determine the exact signaling area for your needs, please use the online available Pfannenberg Sizing Software PSS.

