



- Horn: Omnidirectional/max. 110 db(A)
- Type of protection: Ex d
- Class: IP66/67 (IEC 60529/NEMA 4X)
- Corrosion-resistant GRP enclosure
- Including fastening bracket
- 32 standardised preconfigured signal tones (compatible with PFEER/UKOOA)
- Separate signal tones can be selected (2 for AC, 3 for DC variants)
- Signal tone reduction can be set up to 18 dB(A)
- Connection for telephone systems/performance monitoring can be ordered as an option

E5

MY R. STAHL YA6SA



The **YA6S product series** provides audible alarm signals which can be used to alert, warn or draw attention to equipment malfunction/start-up or any number of safety-related issues. Corrosion resistance is a key feature of the device; it is therefore ideal for applications in the harshest of environments, both onshore and offshore.

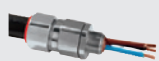
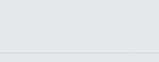


	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table					
Sound level	2				
Rated operational voltage AC	Rated operational voltage DC		Product Type	Art. No.	Weight
115 V	-		YA6S/C-L-EN-SF-A-ST-00-00-00	225184	3.64 kg
230 V	-		YA6S/C-N-EN-SF-A-ST-00-00-00	225185	3.64 kg
Sound level	3				
Rated operational voltage AC	Rated operational voltage DC		Product Type	Art. No.	Weight
-	24 V		YA6S/C-D-EN-SF-A-ST-00-00-00	225182	3.64 kg
	48 V		YA6S/C-F-EN-SF-A-ST-00-00-00	225183	3.64 kg
Sound level	4				
Rated operational voltage AC	Rated operational voltage DC		Product Type	Art. No.	Weight
-	12 ... 24 V		YA6S/21-DS0000-000003-ST0000-0000	284527	3.64 kg

Technical Data			
Variant	YA6S/21-DS0000 DC	YA6S/C-L, YA6S/C-N AC	YA6S/C-F DC
Explosion Protection			
IECEX gas explosion protection	Ex db IIC T6 / T4 Gb	Ex d IIC T6 / T5 Gb	Ex d IIC T6 Gb
IECEX dust explosion protection	Ex tb IIIC T80 °C / T100 °C Db	Ex tb IIIC T77 °C / T87 °C Db	Ex tb IIIC T75 °C Db
ATEX gas explosion protection	⊕ II 2 G Ex db IIC T6 / T4 Gb	⊕ II 2 G Ex d IIC T6 / T5 Gb	⊕ II 2 G Ex d IIC T6 Gb
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C / T100 °C Db	⊕ II 2 D Ex tb IIIC T77 °C / T87 °C Db	⊕ II 2 D Ex tb IIIC T75 °C Db
Certificates	ATEX (BVIS), IECEx (BVIS)	ATEX (BAS), IECEx (BAS)	ATEX (BAS), IECEx (BAS)
Declaration of Conformity	ATEX (EUK)	ATEX (EUK)	ATEX (EUK)
IECEX gas explosion protection 2	Ex db IIC T4 Gb	Ex d IIC T5 Gb	

Technical Data			
Variant	YA6S/21-DS0000 DC	YA6S/C-L, YA6S/C-N AC	YA6S/C-F DC
Explosion Protection			
IECEX dust explosion protection 2	Ex tb IIIC T100 °C Db	Ex tb IIIC T87 °C Db	
ATEX gas explosion protection 2	Ⓔ II 2 G Ex db IIC T4 Gb	Ⓔ II 2 G Ex d IIC T5 Gb	
ATEX dust explosion protection 2	Ⓔ II 2 D Ex tb IIIC T100 °C Db	Ⓔ II 2 D Ex tb IIIC T87 °C Db	
Electrical Data			
Line monitoring	Yes	Yes	Yes
Tolerance	-10 ... 10 %	-10 ... 10 %	-10 ... 10 %
Acoustic Data			
Sound pressure level	max. 110 dB(A) @ 1 m	max. 110 dB(A) @ 1 m	max. 110 dB(A) @ 1 m
Tone selection	Via DIL switch	Via DIL switch	Via DIL switch
Volume control	Max. -18 dB(A) adjustment	18 dB (A) adjustment	18 dB (A) adjustment
Ambient Conditions			
Ambient temperature °C	-60 – 50 °C	-60 – 60 °C	-60 – 70 °C
Ambient temperature	-60 °C ... +50 °C (T6) -60 °C ... +70 °C (T4)	-60 °C ... +60 °C (T6) -60 °C ... +70 °C (T5)	-60 °C ... +70 °C (T6)
Operating temperature		-60°C ... +60°C	-60°C ... +70°C
Mechanical Data			
Degree of protection (IP) (IEC 60529)	IP66	IP66/IP67	IP66/IP67
Enclosure material	Polyester (GRP), Glass fibre reinforced	Polyester (GRP), Glass fibre reinforced	Polyester (GRP), Glass fibre reinforced
Trumpet material	ABS, flame retardant	ABS, flame retardant	ABS, flame retardant
Max. solid connection terminals	2.5 mm ²	2.5 mm ²	2.5 mm ²
Max. finely stranded connection terminals	2.5 mm ²	2.5 mm ²	2.5 mm ²
Enclosure colour	Black	Black	Black
Mounting / Installation			
Mounting part material	Stainless steel	Stainless steel	Stainless steel
Note about mounting	Provided	Provided	Provided
Connection type	Push in	Screw terminal	Screw terminal
Components			
Drilled holes	2 x M20	2 x M20	2 x M20
Cable glands and entries	Can be ordered as accessories	Can be ordered as accessories	Can be ordered as accessories
Stopping plugs	2 x dust cap	2 x dust cap	2 x dust cap

You can find more technical data online at r-stahl.com. MY R. STAHL YA6SA

Accessories			
Figure	Description	Art. No.	Weight
Metal cable gland			
	Ex d and Ex e cable gland with compound for all types of armoured cables (SWA, wire-braid, tape) (nickel-plated brass) Type 20PX2K, M20 x 1.5	109428	240 g
	Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PX2K-REX, M20 x 1.5	246649	240 g
	Ex d and Ex e cable glands with compound for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K, M20 x 1.5	109441	200 g
	Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K-REX, M20 x 1.5	246605	200 g

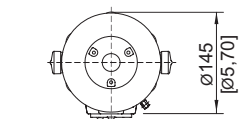
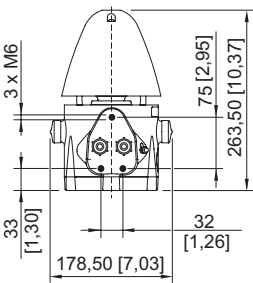
Accessories

Figure	Description	Art. No.	Weight
Mounting accessories			
	Stainless steel L-bracket, standard version	221711	287 g
	Stainless steel L-bracket, long version	247371	280 g
	Adapter plate for pipe clamp fastening	256519	630 g
	Pipe clamp, R 1 1/4"	120812	500 g
	Pipe clamp, R 1 1/2"	120819	470 g
	Pipe clamp, R 2"	120823	500 g

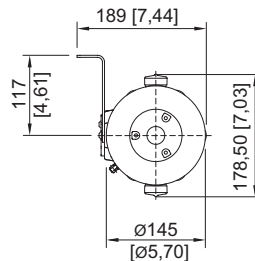
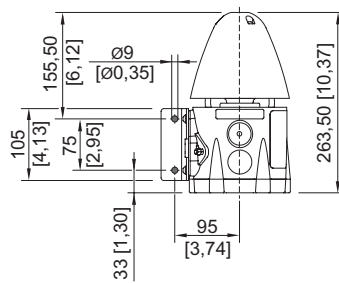
Spare Parts

Figure	Description	Art. No.	Weight
Shaped horn assembly kit			
	Shaped horn YA60/YL60/YA6S/YL6S spare ATEX	213457	105 g

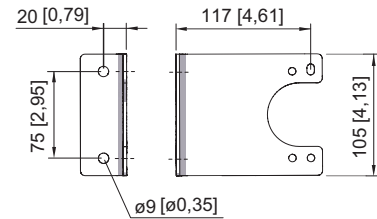
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



GRP Audible Signal Series YA6S without L-Bracket



GRP Audible Signal Series YA6S with L-Bracket



L-Bracket