

Audible signalling device

Series YA90 - Ex d, max. 115 dB(A), GRP

STAHL



- Horn: Directional/max. 115 dB(A)
- Type of protection: Ex d
- Class: IP66 (IEC 60529)
- Corrosion-resistant GRP enclosure
- Including fastening bracket
- 32 standardised preconfigured signal tones (compatible with PFEER/UKOOA)
- Two separate signal tones can be selected
- Connection for telephone systems can be ordered as an option
- Optional line monitoring

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MY R. STAHL YA90A



The YA90 product series provides directional, audible signals and is intended for use in hazardous or extremely harsh environments.

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

	NEC® 500 CE Code Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in		•				

Selection Table

Certificates		ATEX (BAS), IECEX (BAS)				Art. No.	Weight
Rated operational voltage AC	Rated operational voltage DC	Rated operational current		Product Type			
115 V	–	0.08 A (T6)		YA90/C-L-EN-RN-ST-00-00-00	206770	4.5 kg	
230 V	–	0.045 A (T6)		YA90/C-N-EN-RN-ST-00-00-00	205214	4.5 kg	
–	24 V	0.3 A (T6)		YA90/C-D-EN-RN-ST-00-00-00	205209	4.5 kg	
Certificates		Canada / USA (UL), IECEX (BAS)				Art. No.	Weight
Rated operational voltage AC	Rated operational voltage DC	Rated operational current		Product Type			
115 V	–	0.13 A (T4)		YA90/C-L-UL-RN-ST-00-00-00	205366	4.5 kg	
230 V	–	0.09 A (T4)		YA90/C-N-UL-RN-ST-00-00-00	212397	4.5 kg	
–	24 V	0.5 A (T4)		YA90/C-D-UL-RN-ST-00-00-00	205365	4.5 kg	

The group, voltage and certification may vary.
Designation plates can be attached.
Contact your responsible distributor for further details.






Technical Data

Explosion Protection	
IECEX gas explosion protection	Ex d IIC T6 Gb
IECEX dust explosion protection	Ex tb IIIC T85 °C Db
ATEX gas explosion protection	⊕ II 2 G Ex d IIC T6 Gb
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T85 °C Db
Electrical Data	
Tolerance	-10 ... 10 %
Acoustic Data	
Sound pressure level	max. 115 dB(A) @ 1 m
Tone selection	Via DIL switch

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Technical Data	
Acoustic Data	
Sound level	2
Ambient Conditions	
Ambient temperature °C	-60 – 60 °C
Mechanical Data	
Degree of protection (IP) (IEC 60529)	IP66
Enclosure material	Polyester (GRP), Glass fibre reinforced
Trumpet material	ABS, flame retardant
Enclosure colour	Red (RAL 3001)
Mounting / Installation	
Mounting part material	Stainless steel 1.4404
Connection type	Screw terminal
Components	
Drilled holes	2 x M20
Cable glands and entries	Can be ordered as accessories
Stopping plugs	1 x M20 x 1.5 1 x dust cap
Stopping plug material	Brass

You can find more technical data online at r-stahl.com. WebCode YA90A

Accessories			
Figure	Description	Art. No.	Weight
Mounting accessories			
	U-bracket, stainless steel	224587	450 g
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

Stainless steel attachment bracket included in the scope of delivery. Drilled holes for M6, spaced 60 mm apart.

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

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