

GRP Flameproof Audible Signal - 110 dB(A) Series YA6S



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17153E00

- > Corrosion resistant omnidirectional high output sounder
- > Ex d enclosure
- > Extreme temperature range
- > 3 stage alarm with independent tone selection for V DC systems
- > IP66 & IP67
- > Volume control with 18 dB adjustment
- > Lightweight (3.64 kg)
- > 32 internationally recognised selectable tones
- > Sound selection via DIL switch
- > Blocking diode for line monitoring
- > Stainless steel lens guard and bracket supplied as standard
- > ATEX & IECEx approval



Yodalex Super Series

Product series YA6S is designed to provide an audible alarm which can be used to alert, warn or draw attention to machine malfunction/start up or any number of safety related issues. Corrosion resistance is a key feature of the device which is ideally suited for applications in the harshest of environments both onshore and offshore.

Zone	ATEX IECEx					
	0	1	2	20	21	22
For use in		x	x		x	x

WebCode YA6SA

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Explosion Protection

Global (IECEX)

Gas and dust	IECEX BAS 14.0064 IEC 60079-0: 2011 / IEC 60079-1: 2007 / IEC 60079-31: 2013 Ex d IIB T* Ta -** ... +** °C Gb Ex d IIC T* Ta -** ... +** °C Gb Ex tb IIIC T*** °C Ta -** ... +** °C Db IP66
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Europe (ATEX)

Gas and dust	Baseefa14ATEX0126 EN 60079-0: 2012 / EN 60079-1: 2007 / EN 60079-31: 2009 (IEC 60079-31: 2013) ⊕ II 2 G Ex d IIB T* Ta -** ... Ta +** °C Gb ⊕ II 2 G Ex d IIC T* Ta -** ... Ta +** °C Gb ⊕ II 2 D Ex tb IIIC T*** °C Ta -** ... +** °C Db IP66
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Product variant table

Power and voltage	Temperature class	Max. surface temperature	Ambient temperature range
24 V DC	T6	T75 °C	-60 ... +70 °C
48 V DC	T6	T75 °C	-60 ... +70 °C
115 V AC	T6	T77 °C	-60 ... +60 °C
	T5	T87 °C	-60 ... +70 °C
240 V AC	T6	T77 °C	-60 ... +60 °C
	T5	T87 °C	-60 ... +70 °C

Certifications and certificates

Certificates	IECEX, ATEX
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Ambient conditions

Operating temperature range	24/48 V DC	-60 ... +70 °C
	115 V AC	-40 ... +60 °C
	230 V AC	-40 ... +60 °C
For further information see the operation manual		

Technical Data

Electrical data

Rated operational voltage	24 or 48 V DC 115 or 230 V AC	
Current consumption	24 V DC	280 mA
	48 V DC	250 mA
	115 V AC	76 mA
	230 V AC	40 mA
Operational parameters	±1.10 %	
Line monitoring	yes	

Acoustic data

Volume	max. 110 dB(A)	
Volume control	18 dB(A) adjustment	
Sound stages	24 / 48 V DC	3
	115 / 230 V AC	2
Sound selection	via DIL switch	

Mechanical data

Material		
Enclosure	glass reinforced polyester	
Horn and trumpet	flame retardant ABS	
Assembly parts	stainless steel	
Bracket	stainless steel	
Labels	polyester foil, adhesive	
Degree of protection	IP66 / IP67 acc. to IEC 60529	

Mounting / Installation

Connection	2.5 mm ² terminals
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Selection Table - Standard variants

Version	Gas group	Rated operational voltage	Order number	Art. no.	Weight
GRP Flameproof audible signal - 110 dB(A),	IIC	24 V DC	YA6S/C-D-EN-SF-A-ST-00-00-00	225182	3.640
		48 V DC	YA6S/C-F-EN-SF-A-ST-00-00-00	225183	3.640
		115 V AC	YA6S/C-L-EN-SF-A-ST-00-00-00	225184	3.640
		230 V AC	YA6S/C-N-EN-SF-A-ST-00-00-00	225185	3.640

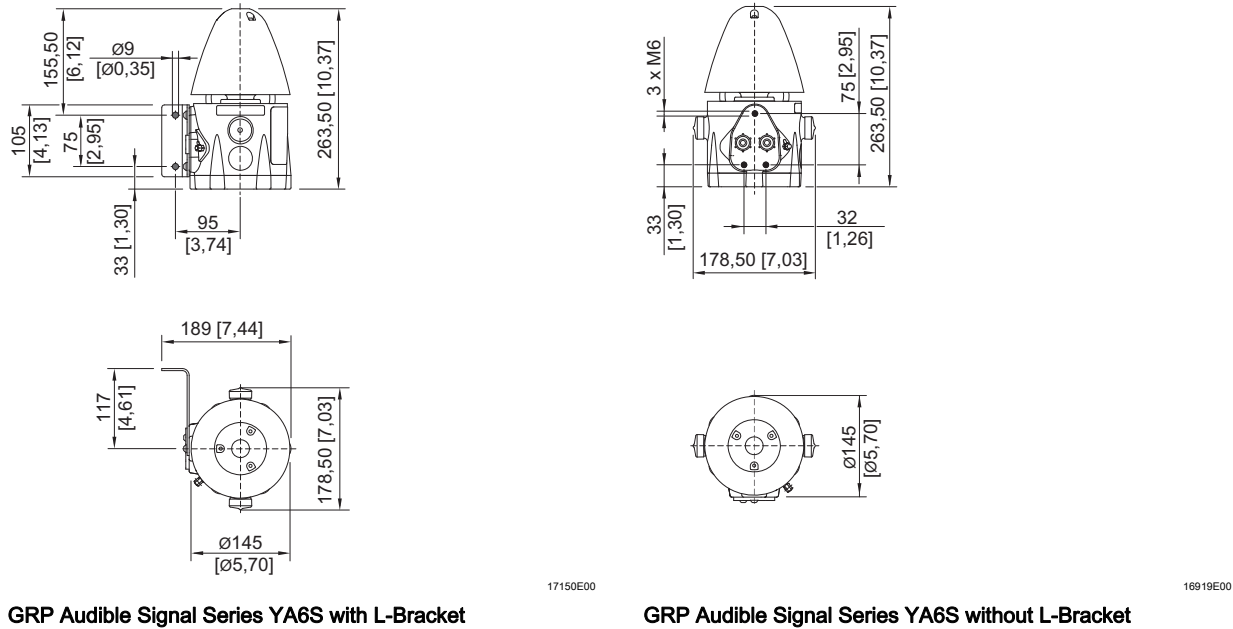
Selection Table

Version	Variations		Order Number																				
GRP Flameproof audible signal - 110 dB(A), devices acc. to specification	Type code: please fill in fields		YA6S	/	EN	.	.	.	A	.	.	.	ST	.	.	.	00		
	Gas group	IIC	C																				
		IIB	B																				
	Rated operational voltage	24 V DC	D																				
		48 V DC	F																				
		115 V AC	L																				
		230 V AC	N																				
	Certification	ATEX & IECEX	EN																				
	Body colour	Standard finish	SF																				
		Black																					
		Red	RN																				
	Cable entries	2 x M20	A																				
	Specification	Standard R. STAHL	ST																				
Identification labels	without	00																					
	Duty label	DL																					
	Tag label	TL																					
	Duty + Tag label	DT																					
Activation	Standard	00																					
	Telephone initiate	TI																					
Additional approvals	None	00																					

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



GRP Audible Signal Series YA6S with L-Bracket

GRP Audible Signal Series YA6S without L-Bracket

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We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.