



- Ex d enclosure made from seawater-resistant aluminium
- Omnidirectional high output sounder 110 dB(A) @ 1 m
- 2 stage alarm, independently selectable 2nd stage
- Each with 32 selectable tones in accordance with international regulations
- Independent tone selection using a DIL switch for each pitch
- IP66 rated as standard / NEMA 4X (for UL variants)
- Telephone initiate option availab

E5

WebCode YA60A



### Yodalex range

Product Series YA60 is designed to provide a audible alarm which can be used to alert, warn or draw attention to machine malfunction/start up or any number of safety related issues in hazardous areas. Omnidirectional audible signal designed for use in hazardous or harsh environments.

	ATEX / IECEx					
Zone	0	1	2	20	21	22
Ex interface						
Installation in		•	•		•	•

	NEC 505 Class I			NEC 506		
Zone	0	1	2	20	21	22
Ex interface		•	•		•	•
Installation in		•	•		•	•




	NEC 500					
Division	Class I		Class II		Class III	
Ex interface	1	2	1	2	1	2
Ex interface	•	•	•	•		
Installation in	•	•	•	•		

Selection Table							
Certificates ATEX (BAS), EAC (TehnoP), India (PESO), Russian Federation (TPB SER)							
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Product Type	Art. No.	PS	Weight kg	
115 – 115 V	–	0.11 A	YA60/C/L/RU	212395	80	5.400	
230 – 230 V	–	0.055 A	YA60/C/N/RU	212396	80	5.400	
–	24 – 24 V	0.35 A	YA60/C/D/RU	205198	80	5.400	
Certificates ATEX (BAS), IECEx (BAS), India (PESO), Korea (KTL), Taiwan (ITRI)							
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Product Type	Art. No.	PS	Weight kg	
115 – 115 V	–	0.11 A	YA60/C/L/EU	205199▲	80	5.400	
230 – 230 V	–	0.055 A	YA60/C/N/EU	205200▲	80	5.400	
–	24 – 24 V	0.35 A	YA60/C/D/EU	205191▲	80	5.000	
Certificates India (PESO), USA (UL)							
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Product Type	Art. No.	PS	Weight kg	
115 – 115 V	–	0.11 A	YA60/B/L/UL	205204	80	5.400	
230 – 230 V	–	0.055 A	YA60/B/N/UL	207054	80	5.400	
–	24 – 24 V	0.35 A	YA60/B/D/UL	205202	80	5.400	

Further variations in gas group, flash energy, voltage and lens colour are available, please use the selection table on the internet at r-stahl.com. WebCode YA60A

Technical Data			
Variant	YA60/J./EU	YA60/C./RU	YA60/I./UL
<b>Explosion Protection</b>			
Ambient temperature °C	-20 ... +40 °C	-20 ... +40 °C	-20 ... +60 °C
Gas explosion protection IECEx	Ex d IIB+H2 T6 Gb		Ex d IIB+H2 T4 Gb
Gas explosion protection ATEX	Ⓜ II 2 G Ex d IIB+H2 T6 Gb		Ⓜ II 2 G Ex d IIB+H2 T4 Gb
Gas explosion protection EAC		1 Ex d IIB+H2 T4 Gb X 1 Ex d IIB+H2 T6 Gb X	
Dust explosion protection IECEx	Ex tb IIIC T85 °C Db		Ex tb IIIC T135 °C Db
Dust explosion protection ATEX	Ⓜ II 2 D Ex tb IIIC T85 °C Db		Ⓜ II 2 D Ex tb IIIC T135 °C Db
Dust explosion protection EAC		Ex tb IIIC T135 °C Db X Ex tb IIIC T85 °C Db X	
Ship approval	ABS		
<b>Electrical Data</b>			
Tolerance	-10 – 10 %	-10 – 10 %	-10 – 10 %
<b>Acoustic Data</b>			
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
Pitch	2	2	2
<b>Mechanical Data</b>			
Degree of protection IP (IEC 60529)	IP66	IP66	IP66
Enclosure material	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant	Aluminium, powder-coated, Seawater-resistant
Material mounting parts	Sheet steel, powder-coated	Sheet steel, powder-coated	Sheet steel, powder-coated
Trumpet material	ABS, flame retardant	ABS, flame retardant	ABS, flame retardant
Connection terminals solid max.	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Connection terminals finely-stranded max.	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Enclosure colour	red normal	red normal	red normal
<b>Components</b>			
Drilled holes	2 x M20	2 x M20	2 x M20
Screw connections	Can be ordered as accessories	Can be ordered as accessories	Can be ordered as accessories
Stopping plug	1 x M20 x 1.5 1 x dust cap	1 x M20 x 1.5 1 x dust cap	2x1/2"NPT adaptor M20x1/2"NPT
Stopping plug material	Brass	Brass	Brass

You can find more technical data online at [r-stahl.com](http://r-stahl.com). WebCode YA60A

Accessories and Spare Parts			
Figure	Description	Art. No.	Weight kg
<b>Cable glands made of metal</b>			
	Ex d & Ex e Compound barrier cable gland for all types of armoured cables (SWA, braided, tape) (nickel plated brass)	109428	0.240
	Ex d & Ex e Compound barrier cable gland for all types of unarmoured and braid armour cables (nickel plated brass)	109441	0.200
<b>Mounting bracket</b>			
	Stainless steel bracket fixing kit accessories	210794	0.400

Mounting bracket supplied as standard.

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

E5

