



- Ex d enclosure made from seawater-resistant aluminium
- Omnidirectional high output sounder 110 dB(A) @ 1 m
- 5 Joule xenon strobe
- 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
- Aluminium enclosure with stainless steel fasteners
- Flash rate 1 per second
- IP66 rated as standard / NEMA 4X (for UL variants)
- Telephone initiate option available

E5

WebCode **YL60A**



Yodalex range

Product Series YL60 is designed to provide both an audible and visual 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.

The audible and visual signals can be operated independently or as a combination unit.

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

Selection Table						
Certificates ATEX (BAS), Brazil (ULB), IECEx (BAS), India (PESO), Korea (KTL), SIL (exida), Taiwan (ITRI)						
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Lens colour	Product Type	Art. No.	Weight kg
115 V	–	200 mA	Orange	YL60/C/L50/A/EU	205267	6.000
		200 mA	Blue	YL60/C/L50/B/EU	205268	6.000
		200 mA	Green	YL60/C/L50/G/EU	205269	6.000
		200 mA	Opal	YL60/C/L50/O/EU	205270	6.000
		200 mA	Red	YL60/C/L50/R/EU	205271	6.000
		200 mA	Yellow	YL60/C/L50/Y/EU	205464	6.000
230 V	–	100 mA	Orange	YL60/C/N50/A/EU	205273 ▲	6.000
		100 mA	Blue	YL60/C/N50/B/EU	205277	6.000
		100 mA	Clear	YL60/C/N50/C/EU	205279	6.000
		100 mA	Opal	YL60/C/N50/O/EU	205281	6.000
		100 mA	Red	YL60/C/N50/R/EU	205282	6.000
		100 mA	Yellow	YL60/C/N50/Y/EU	205285	6.000
–	24 V	570 mA	Orange	YL60/C/D50/A/EU	205250 ▲	6.000
		570 mA	Blue	YL60/C/D50/B/EU	205252	6.000
		570 mA	Clear	YL60/C/D50/C/EU	205254	6.000
		570 mA	Green	YL60/C/D50/G/EU	205256	6.000
		570 mA	Red	YL60/C/D50/R/EU	205257 ▲	6.000
		570 mA	Yellow	YL60/C/D50/Y/EU	206950	6.000

## Selection Table

Certificates ATEX (BAS), EAC (TehnoP), India (PESO), Russian Federation (TPB SER)						
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Lens colour	Product Type	Art. No.	Weight kg
115 V	–	200 mA	Orange	YL60/C/L50/A/RU	212390	6.000
		200 mA	Red	YL60/C/L50/R/RU	205272	6.000
230 V	–	100 mA	Orange	YL60/C/N50/A/RU	212391	6.000
		100 mA	Red	YL60/C/N50/R/RU	212392	6.000
–	24 V	570 mA	Orange	YL60/C/D50/A/RU	212389	6.000
		570 mA	Blue	YL60/C/D50/B/RU	262033	6.000
		570 mA	Red	YL60/C/D50/R/RU	205265	6.000
Certificates USA (UL)						
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Lens colour	Product Type	Art. No.	Weight kg
115 V	–	200 mA	Orange	YL60/B/L50/A/UL	205568	6.000
		200 mA	Blue	YL60/B/L50/B/UL	205298	6.000
		200 mA	Clear	YL60/B/L50/C/UL	224224	6.000
		200 mA	Green	YL60/B/L50/G/UL	239987	6.000
		200 mA	Red	YL60/B/L50/R/UL	205299	6.000
		200 mA	Yellow	YL60/B/L50/Y/UL	211815	6.000
230 V	–	100 mA	Orange	YL60/B/N50/A/UL	205301	6.000
		100 mA	Clear	YL60/B/N50/C/UL	250450	6.000
		100 mA	Red	YL60/B/N50/R/UL	212386	6.000
–	24 V	570 mA	Orange	YL60/B/D50/A/UL	205287	6.000
		570 mA	Blue	YL60/B/D50/B/UL	205289	6.000
		570 mA	Clear	YL60/B/D50/C/UL	205291	6.000
		570 mA	Red	YL60/B/D50/R/UL	205293	6.000
		570 mA	Yellow	YL60/B/D50/Y/UL	205297	6.000

## Technical Data

Variant	YL60/J.../J/EU	YL60/J.../J/RU	YL60/J.../J/UL
Explosion Protection			
Ambient temperature °C	-20 ... +40 °C	-20 ... +40 °C	-20 ... +60 °C
IECEx gas explosion protection	Ex d IIB+H2 T6/T4 Gb		Ex d IIB+H2 T4 Gb
IECEx dust explosion protection	Ex tb IIIC T85 °C ... T135 °C Db		Ex tb IIIC T135 °C Db
ATEX gas explosion protection	Ex II 2 G Ex d IIB+H2 T6/T4 Gb		Ex II 2 G Ex d IIB+H2 T4 Gb
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T85 °C ... T135 °C Db		Ex II 2 D Ex tb IIIC T135 °C Db
EAC gas explosion protection		Ex 1 Ex d IIB+H2 T4 Gb X Ex 1 Ex d IIB+H2 T6 Gb X	
EAC dust explosion protection		Ex tb IIIC T135 °C Db X Ex tb IIIC T85 °C Db X	
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
Pitch	2	2	2
Lighting Data			
Lamp	Xenon flash tubes	Xenon flash tubes	Xenon flash tubes
Flashbulb	5 J	5 J	5 J
Flash rate	1 Hz	1 Hz	1 Hz



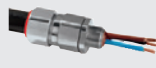
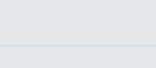




# Combined Audible and Visual Signalling Devices

Series YL60 - Flameproof Version; max. 110 dB(A) @ 1 m / 5 J

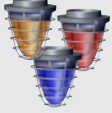

STAHL

E5

Technical Data			
Variant	YL60/.../EU	YL60/.../RU	YL60/.../UL
Explosion Protection			
Mechanical Data			
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
Enclosure colour	red normal	red normal	red normal
Trumpet material	ABS, flame retardant	ABS, flame retardant	ABS, flame retardant
Material dome	Polycarbonate	Polycarbonate	Polycarbonate
Material wire guard	Stainless steel	Stainless steel	Stainless steel
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>
Mounting / Installation			
Connection type	Screw terminal	Screw terminal	Screw terminal
Components			
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 dust cap 1 x M20 x 1.5	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 <a href="http://r-stahl.com">r-stahl.com</a> . WebCode YL60A			

Accessories			
Figure	Description	Art. No.	Weight kg
Cable glands			
	Ex e adapter for ATEX - 20 °C to +50/60 °C	264252	0.270
Cable glands made of metal			
	Ex d & Ex e cable gland for all types of unarmoured and braid armour cables (nickel plated brass)	243464 ▲	0.070
	Ex d & Ex e Compound barrier cable gland for all types of armoured cables (SWA, braided, tape) (nickel plated brass)	109428 ▲	0.240
	RapidEx liquid pour sealing system Cable entry with compound CMP-20PX2K-REX KLE MsNi M20 for reinforced conductors	246649	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
	RapidEx liquid pour sealing system Cable entry with compound CMP-20PXSS2K-REX KLE MsNi M20	246605	0.200
	Ex d & Ex e cable gland for all types of armoured cables (SWA, braided, tape) (nickel plated brass) with unique compensating displacement seal system (CDS)	246561 ▲	0.280
Mounting bracket			
	Stainless steel bracket fixing kit accessories	210794	0.400

## Spare Parts

Figure	Description	Art. No.	Weight kg
<b>Emergency light flange</b>			
	amber ATEX spare	209407	1.080
	amber UL spare	209421	1.080
	blue ATEX spare	209408	1.080
	blue UL spare	209422	1.080
	clear UL spare	209423	1.080
	green UL spare	209424	1.080
	red ATEX spare	209412	1.080
	red UL spare	209426	1.080
	yellow ATEX spare	209413	1.080
<b>Moulding-lens</b>			
	clear	209402	0.070
	red	209405	0.070
	yellow	209406	0.070

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

