



- 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.	PS	Weight kg
115 – 115 V	–	200 mA	Orange	YL60/C/L50/A/EU	205267 ▲	80	6.000
		200 mA	Blue	YL60/C/L50/B/EU	205268	80	6.000
		200 mA	Green	YL60/C/L50/G/EU	205269	80	6.000
		200 mA	Opal	YL60/C/L50/O/EU	205270	80	6.000
		200 mA	Red	YL60/C/L50/R/EU	205271 ▲	80	6.000
		200 mA	Yellow	YL60/C/L50/Y/EU	205464	80	6.000
230 – 230 V	–	100 mA	Orange	YL60/C/N50/A/EU	205273 ▲	80	6.000
		100 mA	Blue	YL60/C/N50/B/EU	205277	80	6.000
		100 mA	Clear	YL60/C/N50/C/EU	205279	80	6.000
		100 mA	Opal	YL60/C/N50/O/EU	205281	80	6.000
		100 mA	Red	YL60/C/N50/R/EU	205282 ▲	80	6.000
		100 mA	Yellow	YL60/C/N50/Y/EU	205285	80	6.000

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.	PS	Weight kg
–	24 – 24 V	570 mA	Orange	YL60/C/D50/A/EU	205250 ▲	80	6.000
		570 mA	Blue	YL60/C/D50/B/EU	205252	80	6.000
		570 mA	Clear	YL60/C/D50/C/EU	205254	80	6.000
		570 mA	Green	YL60/C/D50/G/EU	205256	80	6.000
		570 mA	Red	YL60/C/D50/R/EU	205257 ▲	80	6.000
		570 mA	Yellow	YL60/C/D50/Y/EU	206950	80	6.000
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.	PS	Weight kg
115 – 115 V	–	200 mA	Orange	YL60/C/L50/A/RU	212390	80	6.000
		200 mA	Red	YL60/C/L50/R/RU	205272	80	6.000
230 – 230 V	–	100 mA	Orange	YL60/C/N50/A/RU	212391	80	6.000
		100 mA	Red	YL60/C/N50/R/RU	212392	80	6.000
–	24 – 24 V	570 mA	Orange	YL60/C/D50/A/RU	212389	80	6.000
		570 mA	Blue	YL60/C/D50/B/RU	262033	80	6.000
		570 mA	Red	YL60/C/D50/R/RU	205265	80	6.000
Certificates		India (PESO), USA (UL)					
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Lens colour	Product Type	Art. No.	PS	Weight kg
115 – 115 V	–	200 mA	Orange	YL60/B/L50/A/UL	205568	80	6.000
		200 mA	Blue	YL60/B/L50/B/UL	205298	80	6.000
		200 mA	Clear	YL60/B/L50/C/UL	224224	80	6.000
		200 mA	Green	YL60/B/L50/G/UL	239987	80	6.000
		200 mA	Red	YL60/B/L50/R/UL	205299	80	6.000
		200 mA	Yellow	YL60/B/L50/Y/UL	211815	80	6.000
230 – 230 V	–	100 mA	Orange	YL60/B/N50/A/UL	205301	80	6.000
		100 mA	Clear	YL60/B/N50/C/UL	250450	80	6.000
		100 mA	Red	YL60/B/N50/R/UL	212386	80	6.000
–	24 – 24 V	570 mA	Orange	YL60/B/D50/A/UL	205287	80	6.000
		570 mA	Blue	YL60/B/D50/B/UL	205289	80	6.000
		570 mA	Clear	YL60/B/D50/C/UL	205291	80	6.000
		570 mA	Red	YL60/B/D50/R/UL	205293	80	6.000
		570 mA	Yellow	YL60/B/D50/Y/UL	205297	80	6.000

Technical Data

Variant	YL60/I.../EU	YL60/I.../RU	YL60/I.../UL
Explosion Protection			
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

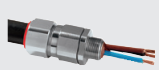
Combined Audible and Visual Signalling Devices

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

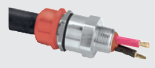
STAHL

E5

Technical Data			
Variant	YL60/./..././EU	YL60/./..././RU	YL60/./..././UL
Explosion Protection			
Dust explosion protection ATEX	Ex II 2 D Ex tb IIIC T85 °C Db		Ex 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	
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
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	Round structural steel, galvanised	Round structural steel, galvanised	Round structural steel, galvanised
Connection terminals solid max.	2.5 mm²	2.5 mm²	2.5 mm²
Connection terminals finely-stranded max.	2.5 mm²	2.5 mm²	2.5 mm²
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 r-stahl.com . WebCode YL60A			

Accessories and Spare Parts			
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
	Ex d & Ex e Compound barrier cable gland for all types of unarmoured and braid armour cables (nickel plated brass)	109441	0.200

Accessories and Spare Parts

Figure	Description	Art. No.	Weight kg
Cable glands made of metal			
	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
	RapidEx liquid pour sealing system Cable entry with compound CMP-20PX2K-REX KLE MsNi M20 for reinforced conductors	246649	0.240
	RapidEx liquid pour sealing system Cable entry with compound CMP-20PXSS2K-REX KLE MsNi M20	246605	0.200
Mounting bracket			
	Stainless steel bracket fixing kit accessories	210794	0.400

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

