

Audible and Visual Signalling Device

Series YL60 - Ex d, max. 110 dB(A), XENON, ALU

STAHL



- Lamp: Flashing beacon – XENON (5 J)
- Horn: Omnidirectional/max. 110 dB(A)
- Type of protection: Ex d
- Class: IP66 (IEC 60529/NEMA 4X)
- Robust aluminium enclosure (powder-coated)
- Stainless steel protection cage and mounting bracket included
- 8 light-intensifying Fresnel lens colours available to order
- 32 standardised preconfigured signal sounds (PFEER/UKOOA compatible)
- 2 individual signal sounds can be chosen
- Telephone system connection/line monitoring optionally available to order

E5

WebCode **YL60A**



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.

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

	NEC 500 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in	•	•	•	•	•	

	CEC Section 18 NEC® 505					
	Class I		NEC® 506			
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table						
Certificates ATEX (BAS), Brazil (ULB), EAC (ENDCE), 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	Amber	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	Amber	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	Amber	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 (ENDCE), 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	Amber	YL60/C/L50/A/RU	212390	6.000
		200 mA	Red	YL60/C/L50/R/RU	205272	6.000
230 V	–	100 mA	Amber	YL60/C/N50/A/RU	212391	6.000
		100 mA	Red	YL60/C/N50/R/RU	212392	6.000
–	24 V	570 mA	Amber	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
		570 mA	Yellow	YL60/C/D50/Y/RU	264943	6.000
Certificates Canada / USA (UL), EAC (ENDCE)						
Rated operational voltage AC	Rated operational voltage DC	Rated operational current	Lens colour	Product Type	Art. No.	Weight kg
115 V	–	200 mA	Amber	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	Amber	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
		100 mA	Yellow	YL60/B/N50/Y/UL	224680	6.000
–	24 V	570 mA	Amber	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/I.../I/EU	YL60/I.../I/RU	YL60/I.../I/UL
Explosion Protection			
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	Ⓔ II 2 G Ex d IIB+H2 T6/T4 Gb		Ⓔ II 2 G Ex d IIB+H2 T4 Gb
ATEX dust explosion protection	Ⓔ II 2 D Ex tb IIIC T85 °C ... T135 °C Db		Ⓔ II 2 D Ex tb IIIC T135 °C Db
EAC gas explosion protection		Ⓔ 1 Ex d IIB+H2 T4 Gb X Ⓔ 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	
Marking cULus			Class I, Div. 1,2, Groups B,C,D Class II, Groups E,F,G Class III Class I, Zone 1 AEx/Ex d IIB + H ₂
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
Number of stages	2	2	2

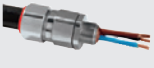
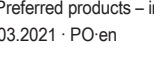
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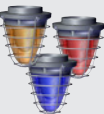
Technical Data			
Variant	YL60/I.../I/EU	YL60/I.../I/RU	YL60/I.../I/JUL
Ambient Conditions			
Ambient temperature	-20 °C ... +40 °C (T6) -20 °C ... +60 °C (T4)	-20 °C ... +40 °C -20 °C ... +60 °C	-20 °C ... +60 °C (T4)
Lighting Data			
Lamp	Xenon flash tubes	Xenon flash tubes	Xenon flash tubes
Flash energy	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
Enclosure colour	red normal	red normal	Red (RAL 3001)
Trumpet material	ABS, flame retardant	ABS, flame retardant	ABS, flame retardant
Material glas dome	Polycarbonate	Polycarbonate	Polycarbonate
Material wire guard	Stainless steel	Stainless steel	Stainless steel
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			
Material mounting parts	Sheet steel, powder-coated	Sheet steel, powder-coated	Sheet steel, powder-coated
Connection type	Screw terminal	Screw terminal	Screw terminal
Components			
Drilled holes	2 x M20	2 x M20	2 x M20
Cable entries	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	1 x 1/2" NPT 2 x adapters M20x1/2"NPT 1 x dust cap
Stopping plug material	Brass	Brass	Brass
You can find more technical data online at r-stahl.com . 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

Accessories

Figure	Description	Art. No.	Weight kg
Mounting accessories			
	L-bracket, stainless steel, (available for FL60, YL60, YA60)	210794	0.400

Spare Parts

Figure	Description	Art. No.	Weight kg
Flange			
	Flange, ATEX, amber (available for FL60, YL60)	209407	1.080
	Flange, UL, amber (available for FL60, YL60)	209421	1.080
	Flange, ATEX, blue (available for FL60, YL60)	209408	1.080
	Flange, UL, blue (available for FL60, YL60)	209422	1.080
	Flange, UL, clear (available for FL60, YL60)	209423	1.080
	Flange, UL, green (available for FL60, YL60)	209424	1.080
	Flange, ATEX, red (available for FL60, YL60)	209412	1.080
	Flange, UL, red (available for FL60, YL60)	209426	1.080
	Flange, ATEX, yellow (available for FL60, YL60)	209413	1.080
Lens			
	Lens, clear (available for FL60, YL60)	209402	0.070
	Lens, red (available for FL60, YL60)	209405	0.070
	Lens, yellow (available for FL60, YL60)	209406	0.070

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

