

# Signalling devices



## Combined signal device Xenon horn/flashing beacon

### In flameproof enclosure

YL60/21-D05000-RW0002-ST0001-0000 Art. No. 319172



- Lamp: Flashing beacon – XENON (5 J)/LED (6.5 W)
- Horn: Omnidirectional/max. 110 db(A)
- Type of protection: Ex d
- Class: IP66 (IEC 60529/NEMA 4X)
- Robust aluminium enclosure (powder-coated)
- Including stainless steel protective cage and fastening bracket
- Eight light-amplifying Fresnel lens colours can be ordered
- 32 standardised preconfigured signal tones (compatible with PFEER/UKOOA)
- Two separate signal tones can be selected
- Connection for telephone systems can be ordered as an option

MY R. STAHL YL60A



The **YL60 product series** provides audible and visual alarm signals which can be used to alert, warn or draw attention to equipment malfunction/start-up or any number of safety-related issues in hazardous areas. The audible and visual signals can be operated separately or in combination.

## Technical Data

### Explosion Protection

Scope of validity	European Union (ATEX) IECEX USA UKEX
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX EPS 20.0037X
IECEX gas explosion protection	Ex db IIC T6 / T4 Gb
IECEX dust certificate	IECEX EPS 20.0037X
IECEX dust explosion protection	Ex tb IIIC T80 °C / T100 °C Db
ATEX gas certificate	EPS 20 ATEX 1 077 X
ATEX gas explosion protection	⊕ II 2 G Ex db IIC T6 / T4 Gb
ATEX dust certificate	EPS 20 ATEX 1 077 X
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C / T100 °C Db
Certificate ULus	UL E161818
USA dust certificate	UL E161818
Certificates	ATEX (BVIS), IECEX (BVIS), India (PESO), USA (UL)

### Electrical Data

Rated operational voltage DC	21.1 ... 24 V
Rated operational current	650 mA
Line monitoring	Yes

### Acoustic Data

Sound pressure level	max. 110 dB(A) @ 1 m
Tone selection	Via DIL switch
Sound level	4
Volume control	Max. -18 dB(A) adjustment

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## Acoustic Data

Volume adjustment	Via DIL switch
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## Lighting Data

Lamp	Xenon flash tubes
Flashbulb	5 J
Flash rate	1 Hz
Effective luminous intensity (1 Hz, flashing)	24 cd

## Ambient Conditions

Ambient temperature gas Ex-area	-45 °C ... +50 °C (T6) -45 °C ... +70 °C (T4)
Ambient temperature dust Ex-area	-35 °C ... +50 °C (T80 °C) -35 °C ... +70 °C (T100 °C)
Functional ambient temperature	-40 °C ... +50 °C (T6) -40 °C ... +70 °C (T4)
Storage temperature	-60 °C ... +70 °C

## Mechanical Data

Degree of protection (IP) (IEC 60529)	IP66
Enclosure material	Aluminium, powder-coated, Seawater-resistant
Enclosure colour	Red (RAL 3001)
Silicone-free content	Contains silicone
Trumpet material	ABS, flame retardant
Material dome	Polycarbonate, prismatic
Material glass dome	Polycarbonate, prismatic
Wire guard material	Stainless steel
Max. solid connection terminals	2.5 mm <sup>2</sup>
Max. finely stranded connection terminals	2.5 mm <sup>2</sup>
Width	148 mm
Height	417 mm
Length	145 mm
Lens colour	Red
Weight	6 kg
Weight	13.23 lb

## Mounting / Installation

Connection type	Push in
Mounting part material	Sheet steel, powder-coated
Note about mounting	Provided

## Components

Drilled holes	2 x M20
Cable glands and entries	Can be ordered as accessories
Stopping plugs	1 x dust cap 1 x adapter M20x1/2" NPT 1 x CMP-757 VST Ms M20
Stopping plug material	Brass
Accessories	without

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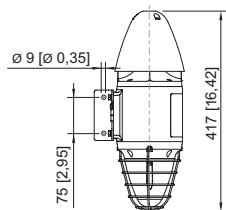
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



## Accessories

Metal cable gland		Art. No.
	Ex d and Ex e cable gland with compound for all types of armoured cables (SWA, wire-braid, tape) (nickel-plated brass) Type 20PX2K, M20 x 1.5	109428
	Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PX2K-REX, M20 x 1.5	246649
	Ex d and Ex e cable glands with compound for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K, M20 x 1.5	109441
	Ex d and Ex e cable glands with RapidEx sealing system for all types of unarmoured cables and wire-braid-armoured cables (nickel-plated brass) Type 20PXSS2K-REX, M20 x 1.5	246605
	Ex d and Ex e cable gland for all types of unarmoured cables (SWA, wire-braid, tape) (nickel-plated brass) with a special compensating sliding seal (CDS) Type 20T3CDS, M20 x 1.5	246561
Cable glands		Art. No.
	Ex e adaptor for ATEX – 20 °C to +50/60 °C	264252
Mounting accessories		Art. No.
	L-bracket, stainless steel, (available for FL60, YL60, YA60)	210794
	Stainless steel L-bracket, long version	247371

## Spare Parts

Spare PCB assembly kit	Art. No.
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	PCB YL60/C 5 J/24 V DC	222970
<b>Shaped horn assembly kit</b>		<b>Art. No.</b>
	Shaped horn YA60/YL60/YA6S/YL6S spare ATEX	213457

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.