

Signalling devices

Combined signalling device Horn/xenon flashing beacon

In flameproof enclosure

YL60/C/D50/R/EU Art. No. 205257

STAHL



- 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

Area of application	IECEx European Union (ATEX)
Application range (zones)	1, 2, 21, 22
IECEx gas certificate	IECEx BAS 05.0087X
IECEx gas explosion protection	Ex db IIB+H2 T6 / T4 Gb
IECEx dust certificate	IECEx BAS 05.0087X
IECEx dust explosion protection	Ex tb IIIC T85 °C / T135 °C Db
ATEX gas certificate	Baseefa 02 ATEX 0222 X
ATEX gas explosion protection	Ex II 2 G Ex db IIB+H2 T6 / T4 Gb
ATEX dust certificate	Baseefa 02 ATEX 0222 X
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T85 °C / T135 °C Db

Electrical Data

Rated operational voltage DC	24 V
Rated operational current	570 mA
Rated operational current, flashing beacon	220 mA
Rated operational current, horn	350 mA

Acoustic Data

Sound pressure level	max. 110 dB(A) @ 1 m
Tone selection	Via DIL switch
Sound level	2

Lighting Data

Lamp	Xenon flash tubes
Effective luminous intensity	14 cd
Flashbulb	5 J
Flash rate	1 Hz

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Ambient Conditions

Ambient temperature	-20 °C ... +40 °C (T6) -20 °C ... +60 °C (T4)
Functional ambient temperature	-20 °C ... +40 °C (T6) -20 °C ... +60 °C (T4)

Mechanical Data

Degree of protection (IP) (IEC 60529)	IP66
Enclosure material	Aluminium, powder-coated, Seawater-resistant
Enclosure colour	normal red
Trumpet material	ABS, flame retardant
Material dome	Polycarbonate
Material glass dome	Polycarbonate
Wire guard material	Stainless steel
Max. solid connection terminals	2.5 mm ²
Max. finely stranded connection terminals	2.5 mm ²
Width	148 mm
Height	417 mm
Length	145 mm
Lens colour	Red
Weight	6 kg

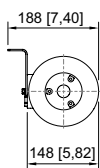
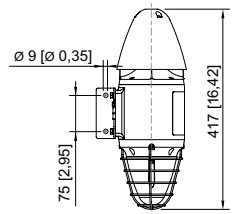
Mounting / Installation

Connection type	Screw terminal
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 an accessory
Stopping plugs	1 x dust cap 1 x M20 x 1.5
Stopping plug material	Brass

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



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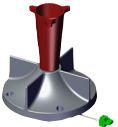
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Accessories

Cable glands

		Art. No.
	Ex e adaptor for ATEX – 20 °C to +50/60 °C	264252

Enclosure flange

		Art. No.
	complete, green, ATEX spare	209378

Metal cable gland

		Art. No.
	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

Mounting accessories

		Art. No.
	L-bracket, stainless steel, (available for FL60, YL60, YA60)	210794

Sound reduction kit

		Art. No.
	Sound reduction kit reduces the dB output to 75 dB(A) in 24 V DC variants	229983

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 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 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 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 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

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Metal cable gland

Art. No.



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

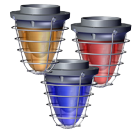
Stainless steel L-bracket, long version

247371

Spare Parts

Flange

Art. No.

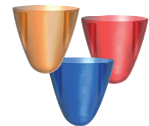


Flange, ATEX, red (available for FL60, YL60)

209412

Lens glass

Art. No.



red

209405

Spare PCB assembly kit

Art. No.



PCB YL60/C
5 J/24 V DC

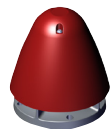
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PCB YL60/C
5 J/24 V DC

222970

Shaped horn assembly kit

Art. No.



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.