

Signalling devices

Combined signal device Horn/flashing beacon LED

In flameproof enclosure

YL60/21-DV0000-AW0002-ST0000-0000 Art. No. 284518

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

Scope of validity	European Union (ATEX) IECEX
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
Certificates	ATEX (BVIS), IECEX (BVIS), India (PESO)

Electrical Data

Rated operational voltage DC	21.1 ... 24 V
Rated operational current	1500 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
Volume adjustment	Via DIL switch

Lighting Data

Lamp	LED
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Lighting Data

Flash rate	1 Hz 1.5 Hz 2 Hz Double flash 1 Hz Double flash 2 Hz Triple flash 1 Hz Triple flash 2 Hz
Effective luminous intensity (1 Hz, flashing)	151 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 glas dome	Polycarbonate, prismatic
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	Amber
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 M20 x 1.5 1 x dust cap
Stopping plug material	Brass
Accessories	without

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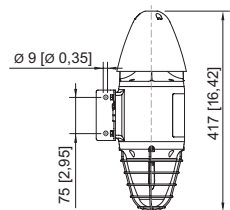
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



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
	PCB YL60/2 LED white/24 V DC	295535
	PCB YL60/2 5 J/24 V DC	295533
Fresnel lens		Art. No.
	Fresnel lens, amber, spare	292060
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.