

Additional Technology and Signaling

Audible signalling device Sounder

In flameproof enclosure

YA60/21-DS0000-000002-ST0000-2000 Art. No. 300629



- Ex d enclosure made from seawater-resistant aluminium
- Omnidirectional high output sounder 110 dB(A) @ 1 m (37.37")
- 2 stage alarm, independently selectable 2nd stage, each with 32 selectable tones in accordance with international regulations
- Independent tone selection using a DIL switch
- NEMA 4X / IP66 rated
- Telephone initiate option available

MY R. STAHL YA60A



Yodalex range

Product Series YA60 is designed to provide an audible 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. Omnidirectional audible signal designed for use in hazardous or harsh environments.

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)

Electrical Data

Rated operational voltage DC	12 ... 24 V
Rated operational current	0.3 A (T6)
Line monitoring	Yes
Tolerance	-10 ... 10 %

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

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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)

Mechanical Data

Degree of protection (IP) (IEC 60529)	IP66
Enclosure material	Aluminium, powder-coated, Seawater-resistant
Enclosure color	Red (RAL 3001)
Silicone-free content	Contains silicone
Trumpet material	ABS, flame retardant
Max. solid connection terminals	2.5 mm ²
Max. finely stranded connection terminals	2.5 mm ²
Width	145 mm
Height	289 mm
Length	148 mm
Weight	5.4 kg
Weight	11.9 lb

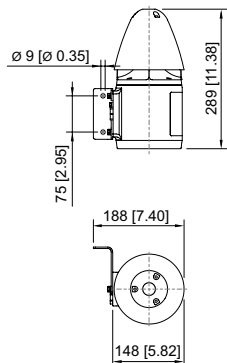
Mounting / Installation

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

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



Accessories

Mounting accessories

Art. No.


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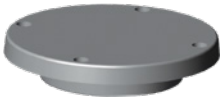
	L-bracket, stainless steel, (available for FL60, YL60, YA60)	210794
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Metal cable gland


		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

Spare Parts


Cover FL60/YA60

	Cover with set of screws	Art. No. 227892
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Spare PCB assembly kit

	PCB YA60 115 to 230 V AC	Art. No. 209515
	PCB YA60/C 24 V DC	222969

Shaped horn assembly kit

	Shaped horn YA60/YL60/YA6S/YL6S spare ATEX	Art. No. 213457
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