

Signalling devices



Audible signalling device Sounder

In flameproof enclosure

YA60/21-DS0000-000002-ST0000-0000 Art. No. 284513



- Horn: Omnidirectional/max. 110 db(A)
- Type of protection: Ex d
- Class: IP66/67 (IEC 60529/NEMA 4X)
- Robust aluminium enclosure (powder-coated)
- Tones can be selected individually via a DIL switch for each pitch
- Including fastening bracket
- 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 YA60A



The **YA60 product series** provides audible 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. Omnidirectional audible panel signal, intended 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 colour | 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 |

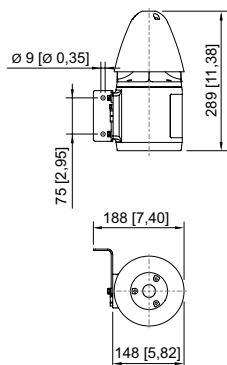
Mounting / Installation

| | |
|------------------------|----------------------------|
| 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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STAHL

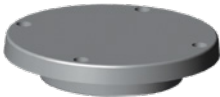
| | | |
|--|--|--------|
|  | L-bracket, stainless steel, (available for FL60, YL60, YA60) | 210794 |
|--|--|--------|

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 | 227892 |
|--|--------------------------|--------|

Spare PCB assembly kit

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

Shaped horn assembly kit

| | | |
|--|---|--------|
|  | 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.