

Signalling devices



Audible signalling device Sounder

In flameproof enclosure

YA60/326-DS001-000030-ST000-0000 Art. No. 312375



- The latest generation of audible and visual alarm devices
- Ex d/Ex e connection chambers
- Audible solutions with directional or omnidirectional horn with up to 120 dB(A) at 1 m, 4 tone channels and 64 preconfigured tones
- Four output levels can be configured
- Brackets and fixings made from stainless steel
- Compliant with EN 54/DNV
- Fastening bracket included

MY R. STAHL YA60C



The **YA60/3 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. The preconfigured signal tones provide a wide range of internationally standardised signal patterns, whereby four channels are available for each, enabling flexible use. The signalling devices meet the requirements of EN 54 and DNV for extremely challenging ambient conditions.

Technical Data

Explosion Protection

| | |
|---------------------------------|--|
| Scope of validity | European Union (ATEX) IECEX United Kingdom |
| Application range (zones) | 1 2 21 22 |
| IECEX gas certificate | IECEX EPS 22.0046X |
| IECEX gas explosion protection | Ex db eb IIC T6 / T4 Gb |
| IECEX dust certificate | IECEX EPS 22.0046X |
| IECEX dust explosion protection | Ex tb IIIC T80 °C / T100 °C Db |
| ATEX gas certificate | EPS 22 ATEX 1 224X |
| ATEX gas explosion protection | ⊕ II 2 G Ex db eb IIC T6 / T4 Gb |
| ATEX dust certificate | EPS 22 ATEX 1 224X |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb IIIC T80 °C / T100 °C Db |
| Certificates | ATEX (BVIS), IECEX (BVIS) |
| Declaration of Conformity | ATEX (EUK) |

Electrical Data

| | |
|------------------------------|---------------|
| Rated operational voltage DC | 12 ... 27.2 V |
| Line monitoring | Yes |
| Tolerance | -10 ... 10 % |

Acoustic Data

| | |
|----------------------|---------------------------|
| Horn version | omnidirectional |
| Sound pressure level | max. 114 dB(A) @ 1 m |
| Sound level | 4 |
| Volume control | Max. -18 dB(A) adjustment |

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Lighting Data

| | |
|---|------|
| Effective luminous intensity (1 Hz, flashing) | 0 cd |
|---|------|

Ambient Conditions

| | |
|---------------------|--|
| Ambient temperature | -40 °C ... 50 °C (T6) -40 °C ... 70 °C (T4) |
| Storage temperature | -60 °C ... 70 °C |

Mechanical Data

| | |
|---|--|
| IP degree of protection (IEC 60598) | IP66 |
| Connection chamber version | Ex e |
| Enclosure material | Aluminium, powder-coated, Seawater-resistant |
| Enclosure colour | red, similar to RAL 3020 |
| Silicone-free content | Contains silicone |
| Trumpet material | PC/PBT |
| Max. solid connection terminals | 4 mm ² |
| Max. finely stranded connection terminals | 2.5 mm ² |
| Width | 176 mm |
| Height | 319 mm |
| Length | 128 mm |
| Fastening | Wall bracket |
| Weight | 6.21 kg |
| Weight | 13.68 lb |

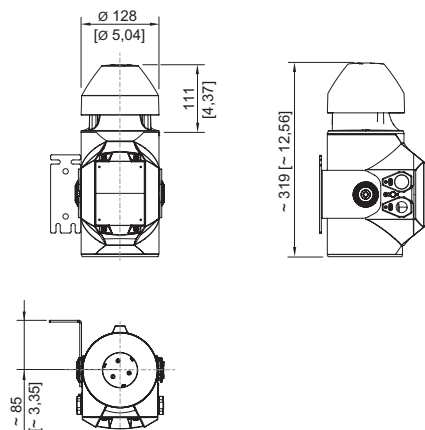
Mounting / Installation

| | |
|------------------------|-----------------|
| Connection type | Push in |
| Mounting part material | Stainless steel |

Components

| | |
|--------------------------|--|
| Drilled holes | 2 x M20 + 2 x M25 |
| Cable glands and entries | 1 x M20 Ø 4 ... 13 mm 1 x M25 Ø 7 ... |
| Material cable gland | Polyamide, black |
| Stopping plugs | 2x M20 + 2x M25 |
| Stopping plug material | Polyamide, black |

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



YA60/3 omnidirectional horn

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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 |

| Cable gland made of plastic | | Art. No. |
|--|--|----------|
|  | 8161/7-M20-1304, Ex e Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm Lot size 50 pieces | 239156 |

| Stopping plug | | Art. No. |
|--|---|----------|
|  | 8290/3-M20 Plastic, M20 x 1.5 Lot size 1 piece | 143522 |
| | 8290/3-M20 Plastic, M20 x 1.5 Lot size 100 pieces | 285773 |

| Mounting accessories | | Art. No. |
|--|-----------------------------------|----------|
|  | L-bracket, stainless steel 1.4404 | 319271 |
|  | U-bracket, stainless steel 1.4404 | 319280 |

Spare Parts

| Shaped horn | | Art. No. |
|--|-----------------------------|----------|
|  | directional, repair kit | 319249 |
|  | omnidirectional, repair kit | 319250 |
| | omnidirectional, repair kit | 319250 |

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