

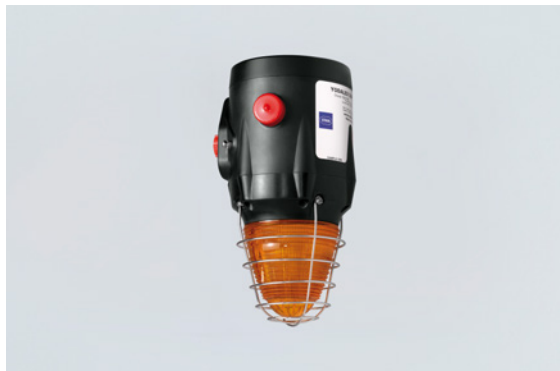
# Signalling devices



Visual signalling device Xenon flashing beacon

In flameproof enclosure

FL6S/21-D05000-AW0003-ST0000-0000 Art. No. 284520



- Lamp: Flashing beacon – XENON (5 J)/LED (6.5 W)
- Type of protection: Ex d
- Class: IP66/IP67 (IEC 60529/NEMA 4X)
- Corrosion-resistant GRP enclosure
- Including stainless steel protective cage and fastening bracket
- Eight light-amplifying Fresnel lens colours can be ordered
- Connection for telephone systems/line monitoring can be ordered as an option

MY R. STAHL FL6SA



The **FL6S product series** provides 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. Corrosion resistance is a key feature of the device; it is therefore ideal for applications in the harshest of environments, both onshore and offshore.

## Technical Data

### Explosion Protection

Scope of validity	European Union (ATEX) IECEX
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX EPS 20.0036X
IECEX gas explosion protection	Ex db IIC T6 / T4 Gb
IECEX dust certificate	IECEX EPS 20.0036X
IECEX dust explosion protection	Ex tb IIIC T80 °C / T100 °C Db
ATEX gas certificate	EPS 20 ATEX 1 076 X
ATEX gas explosion protection	⊕ II 2 G Ex db IIC T6 / T4 Gb
ATEX dust certificate	EPS 20 ATEX 1 076 X
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	21.1 ... 24 V
Line monitoring	Yes
Tolerance	-10 ... 10 %

### Lighting Data

Lamp	Xenon flash tubes
Flashbulb	5 J
Flash rate	1 Hz
Effective luminous intensity (1 Hz, flashing)	76 cd

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## Ambient Conditions

Ambient temperature	-60 °C ... +50 °C (T6) -60 °C ... +70 °C (T4)
Functional ambient temperature	-40 °C ... +50 °C (T6) -40 °C ... +70 °C (T4)

## Mechanical Data

Degree of protection (IP) (IEC 60529)	IP66
Class	II / Equipotential bonding connection
Enclosure material	Polyester, Glass fibre reinforced
Enclosure colour	Black
Sealing material	Red silicone 70
Silicone-free content	Contains silicone
Material dome	Polycarbonate, prismatic
Wire guard material	Stainless steel
Max. solid connection terminals	2.5 mm <sup>2</sup>
Max. finely stranded connection terminals	2.5 mm <sup>2</sup>
Type of connection cable	Finely stranded Solid
Width	178.5 mm
Height	287.5 mm
Length	148 mm
Lens colour	Amber
Seal	O-ring seal
Weight	3.04 kg
Weight	6.7 lb

## Mounting / Installation

Connection type	Push in
Mounting part material	Stainless steel
Note about mounting	Provided

## Components

Drilled holes	2 x M20
Cable glands and entries	Can be ordered as accessories
Stopping plugs	2 x dust cap
Wire guard	Yes

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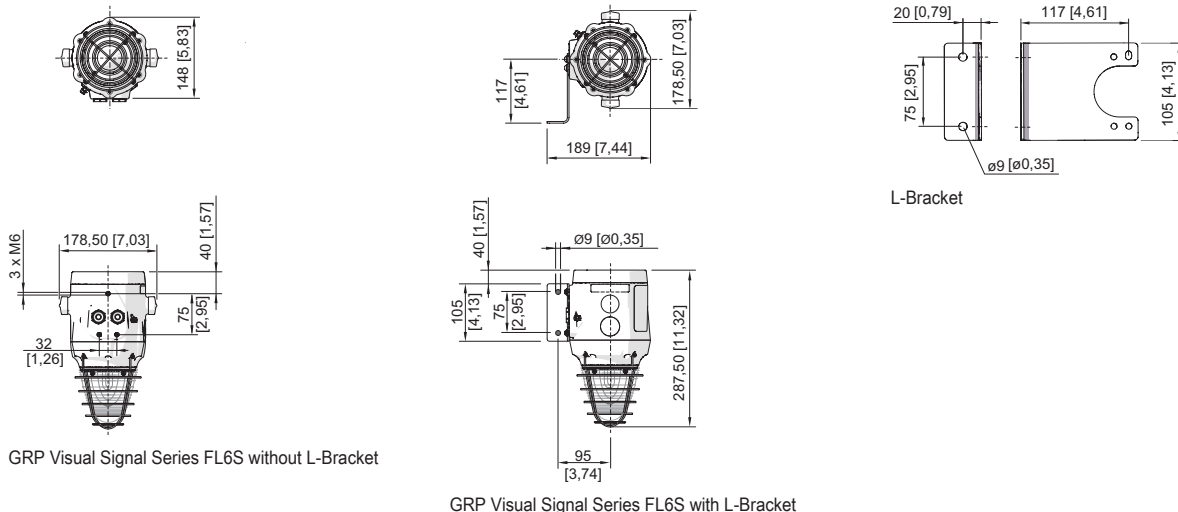
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## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



GRP Visual Signal Series FL6S without L-Bracket

GRP Visual Signal Series FL6S with L-Bracket

## 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
Mounting accessories		Art. No.
	Stainless steel L-bracket, standard version	221711
	Stainless steel L-bracket, long version	247371
	Adapter plate for pipe clamp fastening	256519
	Pipe clamp, R 1 1/4"	120812
	Pipe clamp, R 1 1/2"	120819
	Pipe clamp, R 2"	120823

## Spare Parts

Fresnel lens	Art. No.
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	Fresnel lens, amber, spare	292060
<b>Lamp</b>		<b>Art. No.</b>
	Xenon lamp	223636

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