

Signalling devices



Visual signalling device LED flashing beacon

In flameproof enclosure

FL6S/21-DV0000-YW0003-ST0000-0000 Art. No. 284529



- 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	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)	217 cd

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 ²
Max. finely stranded connection terminals	2.5 mm ²
Type of connection cable	Finely stranded Solid
Width	178.5 mm
Height	287.5 mm
Length	148 mm
Lens colour	Yellow
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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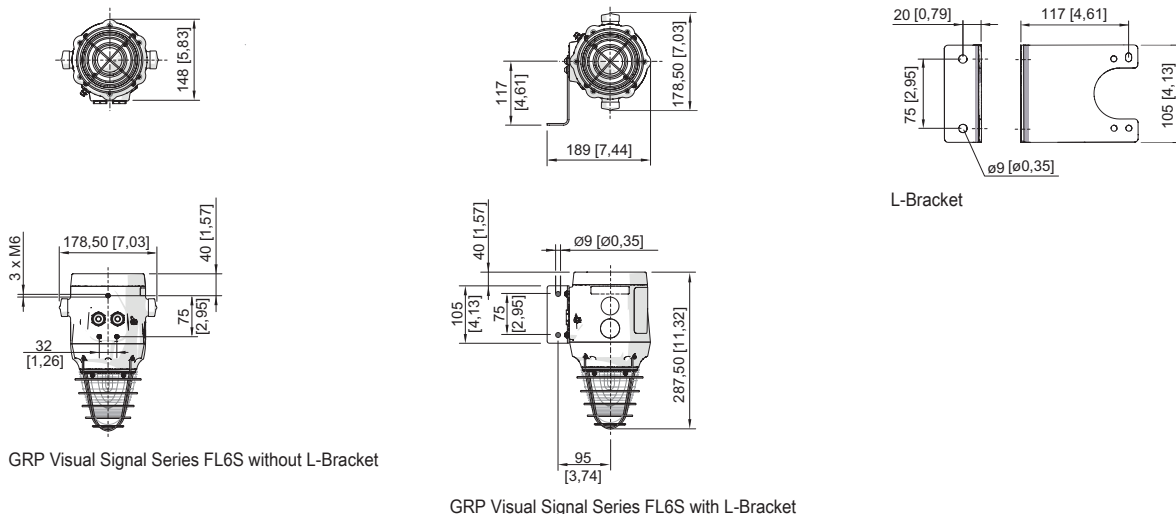
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



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, yellow, spare	292142
Lamp		Art. No.
	Xenon lamp	223636

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.