

Signalling Devices



Visual signalling device Flashing Xenon Beacon

flameproof

FL6S/C-D-050-C-EN-SF-A-ST-00-00-00 Art. No. 225146



- Corrosion-resistant, GRP Ex d enclosure
- 5 Joule xenon flashing beacon
- Flash rate 1 Hz
- Extreme temperature range
- Light enhancing fresnel lens
- Blocking diode for line monitoring
- Stainless steel lens guard and bracket supplied as standard
- IP66 and IP67
- Lightweight (3.04 kg)

WebCode **FL6SA**



Yodalex Super Series. Product Series FL6S is designed to provide a visual alarm which can be used to alert, warn or draw attention to machine malfunction/start up or any number of safety related issues. Corrosion resistance is a key feature of the device which is ideally suited for applications in the harshest of environments both onshore and offshore.

Technical Data

Explosion Protection

Application range (Zone)	1 2 21 22
Certificate IECEX Gas	IECEX BAS 14.0064
Certificate ATEX Gas	Baseefa 14 ATEX 0126
Certificate IECEX Dust	IECEX BAS 14.0064
Certificate ATEX Dust	Baseefa 14 ATEX 0126
Ambient temperature °C	-60 ... +40 °C
Gas explosion protection IECEX	Ex d IIC T6 Gb
Gas explosion protection ATEX	⊕ II 2 G Ex d IIC T6 Gb
Dust explosion protection IECEX	Ex tb IIIC T73 °C Db
Dust explosion protection ATEX	⊕ II 2 D Ex tb IIIC T73 °C Db
Ambient temperature °C 2	-60 ... +55 °C
Gas explosion protection IECEX 2	Ex d IIC T5 Gb
Gas explosion protection ATEX 2	⊕ II 2 G Ex d IIC T5 Gb
Dust explosion protection IECEX 2	Ex tb IIIC T88 °C
Dust Explosion Protection ATEX 2	⊕ II Ex tb IIIC T88 °C
Certificates	ATEX (BAS), IECEX (BAS)

Electrical Data

Rated operational voltage DC	24 – 24 V
Nominal current	0.32 – 0.32 A
Line monitoring	Yes
Tolerance	-10 – 10 %

Lighting Data

Lamps	Xenon flash tube
Effective candela	49 cd

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Lighting Data

Luminous energy	9.69 lm*s
Beacon	5 J
Flash rate	1 Hz

Ambient Conditions

Min. ambient temperature	-60 °C
Max. ambient temperature	+40 °C
Min. ambient temperature 2	-60 °C
Max. ambient temperature 2	+55 °C
Ambient temperature	-60 °C ... +40 °C -60 °C ... +55 °C

Mechanical Data

Type of protection (IP)	IP66
Type of protection IP (IEC 60529)	IP66/IP67
Protection class	II / PA connection
Enclosure material	Polyester (GRP), glass fibre-reinforced
Gasket material	red silicone 70
Material Fixing elements	Stainless steel
Material Dome	Polycarbonate, prismatic
Material wire guard	Stainless steel
Weight	3.04 kg
Connection terminals solid max.	2.5 mm ²
Connection terminals finely-stranded max.	2.5 mm ²
Type of connection line	solid finely-stranded
Width	178.5 mm
Height	287.5 mm
Length	148 mm
Lens Colour	Clear
Enclosure colour	black
Seal	O-ring seal

Mounting / Installation

Connection type	Screw terminal
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Components

Drilled hole	2 x M20
Cable entry	to be ordered as accessory
Plug	2 x dust cap
Wire guard	Yes

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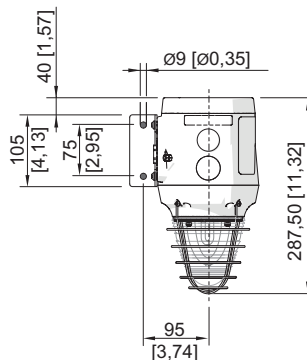
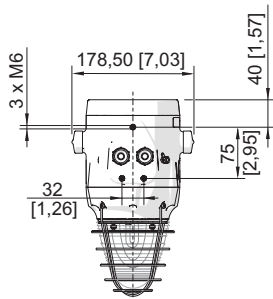
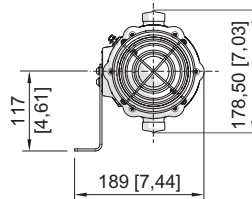
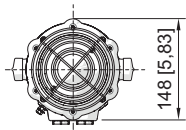
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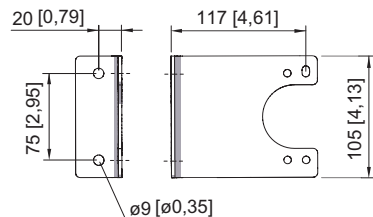


Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



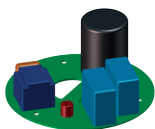


GRP Visual Signal Series FL6S without L-Bracket

GRP Visual Signal Series FL6S with L-Bracket



L-Bracket

Accessories and Spare Parts

PCB		Art. No.
	PCB assembly 110 V AC 5J, for 5 Joule Xenon flashing beacons	223632
	PCB assembly 230 V AC 5J, for 5 Joule Xenon flashing beacons	223580
	PCB assembly 24 V DC 5J, for 5 Joule Xenon flashing beacons	223635
	PCB assembly 48 V DC 5J, for 5 Joule Xenon flashing beacons	223634
PCB termination		Art. No.
	PCB assembly termination, for 5 Joule Xenon beacon only	223579
Xenon tube		Art. No.
	Replacement xenon tube assembly	223636

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