

Signalling Devices

Visual signalling device Xenon flashing beacon

In flameproof enclosure

FL60/C/D50/R/EU Art. No. 205133



- Ex d enclosure made from seawater-resistant aluminium
- 5, 10 or 20 Joule xenon strobe
- Lens available in seven different colours
- Stainless steel fixings
- Flash rate 1 Hz
- Lens guard and mounting bracket supplied as standard
- IP66 rated as standard / NEMA 4X (for UL variants)
- Telephone initiate option available
- SIL 1 IEC61508-2:2010

WebCode **FL60B**



Yodalex range

Product Series FL60 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 in hazardous areas. Visual signal designed for use in hazardous or harsh environments.

Technical Data

Explosion Protection

Application range (zones)	1 2 21 22
Certificate IECEX Gas	IECEX BAS 05.0087X
Certificate ATEX Gas	Baseefa 02 ATEX 0222 X
Certificate IECEX Dust	IECEX BAS 05.0087X
Certificate ATEX Dust	Baseefa 02 ATEX 0222 X
Ambient temperature °C	-20 ... +60 °C
Gas explosion protection IECEX	Ex d IIB+H2 T4 Gb
Gas explosion protection ATEX	Ex II 2 G Ex d IIB+H2 T4 Gb
Dust explosion protection IECEX	Ex tb IIIC T135 °C Db
Dust explosion protection ATEX	Ex II 2 D Ex tb IIIC T135 °C Db
Ambient temperature °C 2	-20 ... +40 °C
Gas explosion protection IECEX 2	Ex d IIB+H2 T6 Gb
Gas explosion protection ATEX 2	Ex II 2 G Ex d IIB+H2 T6 Gb
Dust explosion protection IECEX 2	Ex tb IIIC T85 °C
Dust Explosion Protection ATEX 2	Ex II Ex tb IIIC T85 °C
Certificates	ATEX (BAS), IECEX (BAS), SIL (exida), Taiwan (ITRI)
Ship approval	ABS

Electrical Data

DC rated operational voltage	24 – 24 V
Nominal current	0.22 – 0.22 A
Tolerance	-10 – 10 %

Lighting Data

Lamp	Xenon flash tubes
Effective luminous intensity	9 cd

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Lighting Data

Flashbulb	5 J
Flash rate	1 Hz

Ambient Conditions

Min. ambient temperature	-20 °C
Max. ambient temperature	+60 °C
Min. ambient temperature 2	-20 °C
Max. ambient temperature 2	+40 °C
Ambient temperature	-20 °C ... +60 °C -20 °C ... +40 °C
Min. service temperature	-20 °C
Max. service temperature	+60 °C

Mechanical Data

IP degree of prot. (IEC 60529)	IP66
Protection class	I (PE connection) (Internal + external)
Enclosure material	Aluminium, powder-coated, Seawater-resistant
Sealing material	NBR O-ring seal
Mounting part material	Sheet steel, powder-coated
Material Dome	Polycarbonate
Wire guard material	Round struc. steel, galvanised
Max. clamping range	2.5 mm
Min. clamping range	2.5 mm
Max. solid connect. terminals	2.5 mm ²
Max. fine. strand. conn. term.	2.5 mm ²
Width	148 mm
Height	276 mm
Length	145 mm
Lens colour	Red
Enclosure colour	red normal
Weight	5.08 kg

Mounting / Installation

Connection type	Screw terminal
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Components

Drilled holes	2 x M20
Cable entry	Can be ordered as accessories
Stopping plug	1 x M20 x 1.5 1 x dust cap
Stopping plug material	Brass
Wire guard	Yes

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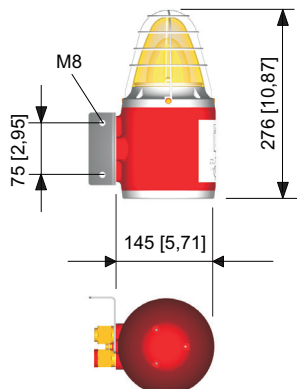
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Accessories and Spare Parts

Cable glands made of metal		Art. No.
	Ex d & Ex e Compound barrier cable gland for all types of armoured cables (SWA, braided, tape) (nickel plated brass)	109428
	Ex d & Ex e Compound barrier cable gland for all types of unarmoured and braid armour cables (nickel plated brass)	109441
Mounting bracket		Art. No.
	Stainless steel bracket fixing kit accessories	210794
Replacement PCB assembly		Art. No.
	24 V DC / 5 J	222970
Sound reduction kit		Art. No.
	sound reduction kit reduce dB output to 75 dB (A) 24 V DC variants	229983

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.