

Signalling Devices

Visual signalling device Xenon flashing beacon

In flameproof enclosure

FL60/C/N50/R/EU Art. No. 205153



- Lamp: Flashing beacon – XENON (5 / 10 J)
- Type of protection: Ex d
- Class: IP66/IP67 (IEC 60529/NEMA 4X)
- Robust aluminium enclosure (powder-coated)
- Stainless steel protection cage and mounting bracket included
- 8 light-intensifying Fresnel lens colours available to order
- Telephone system connection optionally available to order

WebCode **FL60B**



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. The devices are intended for use in hazardous areas or harsh environments.

Technical Data

Explosion Protection

Scope of validity	IECEX European Union (ATEX)
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX BAS 05.0087X
IECEX gas explosion protection	Ex d IIB+H2 T4/T6 Gb
IECEX dust certificate	IECEX BAS 05.0087X
IECEX dust explosion protection	Ex tb IIIC T135 °C ... T85 °C Db
ATEX gas certificate	Baseefa 02 ATEX 0222 X
ATEX gas explosion protection	⊕ II 2 G Ex d IIB+H2 T4/T6 Gb
ATEX dust certificate	Baseefa 02 ATEX 0222 X
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T135 °C ... T85 °C Db
Certificates	ATEX (BAS), EAC (ENDCE), IECEX (BAS), India (PESO), Korea (KTL), SIL (exida), Taiwan (ITRI)
Ship approval	ABS

Electrical Data

Rated operational voltage AC	230 V
Nominal current at AC	0.045 A
Tolerance	-10 – 10 %

Lighting Data

Lamp	Xenon flash tubes
Effective luminous intensity	14 cd
Flash energy	5 J
Flash rate	1 Hz

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Ambient Conditions

Ambient temperature	-20 °C ... +60 °C (T4) -20 °C ... +40 °C (T6)
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Mechanical Data

Degree of protection IP (IEC 60529)	IP66
Class	I (PE connection) (Internal + external)
Enclosure material	Aluminium, powder-coated, Seawater-resistant
Sealing material	NBR O-ring seal
Material dome	Polycarbonate
Material glas dome	Polycarbonate
Material wire guard	Stainless steel
Clamping range max.	2.5 mm
Clamping range min.	2.5 mm
Connection terminals solid max.	2.5 mm ²
Connection terminals finely-stranded max.	2.5 mm ²
Width	148 mm
Height	276 mm
Length	145 mm
Lens colour	Red
Enclosure colour	red normal
Weight	5.08 kg
Weight	11.2 lb

Mounting / Installation

Connection type	Screw terminal
Material mounting parts	Sheet steel, powder-coated

Components

Drilled holes	2 x M20
Cable entries	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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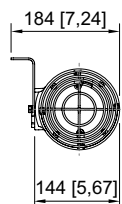
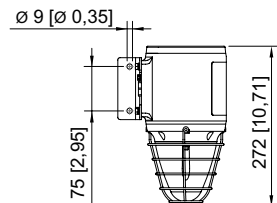
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations





Accessories


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 accessories

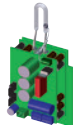
		Art. No.
	L-bracket, stainless steel, (available for FL60, YL60, YA60)	210794
	Sun shield, stainless steel (available for FL60)	262012

Mounting bracket

		Art. No.
	material: stainless steel	262014

Spare Parts

Replacement PCB assembly

		Art. No.
	115 ... 230 V AC / 5 J	209522

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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.