

Signalling Devices

Visual signalling device Xenon flashing beacon

In flameproof enclosure

FL60/C/L100/C/EU Art. No. 205142



- Lamp: Flashing beacon – XENON (5 / 10 J) / LED (6.5 W)
- 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

Webshop 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 db IIB+H2 T4 Gb
IECEX dust certificate	IECEX BAS 05.0087X
IECEX dust explosion protection	Ex tb IIIC T135 °C Db
ATEX gas certificate	Baseefa 02 ATEX 0222 X
ATEX gas explosion protection	⊕ II 2 G Ex db IIB+H2 T4 Gb
ATEX dust certificate	Baseefa 02 ATEX 0222 X
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T135 °C Db
Certificates	ATEX (BAS), IECEX (BAS), SIL (exida)

Electrical Data

Rated operational voltage AC	115 V
Nominal current at AC	0.105 A
Tolerance	-10 – 10 %

Lighting Data

Lamp	Xenon flash tubes
Effective luminous intensity	127 cd
Light quantity	25 lm*s
Flashbulb	10 J
Flash rate	1 Hz

Ambient Conditions

Ambient temperature	-20 °C ... +60 °C (T4)
Functional ambient temperature	-20 °C ... +60 °C (T4)

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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
Enclosure colour	red normal
Sealing material	NBR O-ring seal
Material dome	Polycarbonate
Material glas dome	Polycarbonate
Wire guard material	Stainless steel
Max. solid connection terminals	2.5 mm ²
Max. finely stranded connection terminals	2.5 mm ²
Clamping range	2.5 ... 2.5 mm
Width	148 mm
Height	276 mm
Length	145 mm
Lens colour	Clear
Weight	5.08 kg
Weight	11.2 lb

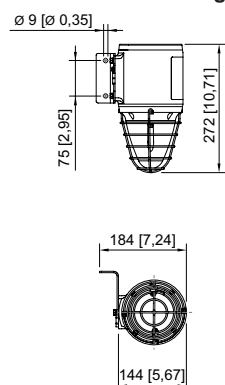
Mounting / Installation

Connection type	Screw terminal
Mounting part material	Sheet steel, powder-coated

Components

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

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



Accessories

Metal cable gland

Art. No.

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	Ex d & Ex e cable entry with compound for all types of armoured cables (SWA, braided, tape) (nickel-plated brass) Type 20PX2K, M20 x 1.5	109428
	Ex d & Ex e Cable entry with RapidEx sealing system for all types of unarmoured and braid armour cables (nickel-plated brass) Type 20PX2K-REX, M20 x 1.5	246649
	Ex d & Ex e Cable entry with compound gland for all types of unarmoured and braid armour cables (nickel plated brass) Type 20PXSS2K, M20 x 1.5	109441
	Ex d & Ex e Cable entry with RapidEx sealing system for all types of unarmoured and braid armour cables (nickel-plated brass) Type 20PXSS2K-REX, M20 x 1.5	246605

Mounting accessories

Art. No.

	L-bracket, stainless steel, (available for FL60, YL60, YA60)	210794
	Mounting bracket material: stainless steel	262014
	Sun shield, stainless steel (available for FL60)	262012

Spare Parts

End cap FL60 / YA60

Art. No.

	End cap with screw set	227892
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Replacement PCB assembly

Art. No.

	115 ... 230 V AC / 5 J	209522
	PCB FL60 5 J / 48 V DC	223072

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.