

Ex II Strobe Light dSLB 20

Robust optical signalling device for applications in potentially explosive areas of group II and in zones 1, 2, 21 and 22



Overview

Optical signalling is often required for warning or notifying purposes in potentially explosive areas. The Ex II Strobe Light dSLB 20 provides suitable signalling for these purposes. It is designed for continuous operation and available for different operating voltages.

The dSLB 20 is activated by connecting the power supply. The sturdy housing of ingress protection IP 66/67 is suitable for both indoor and outdoor applications.

The Ex II strobe light has a small flameproof aluminium housing containing the electronics. The cap is made of hardened borosilicate glass. The terminal compartment is of protection type "increased safety".

A signalling combination can be established using the provided stainless steel mounting plate with integrated junction box.

Features

- Compact construction
- Versatile application
- Light intensity up to 15 joule
- Ingress protection IP 66/67
- Protection type: II 2 G Ex d e IICT5, T6 Gb
II 2 D Ex tb IIIC T95°C, T80°C Db



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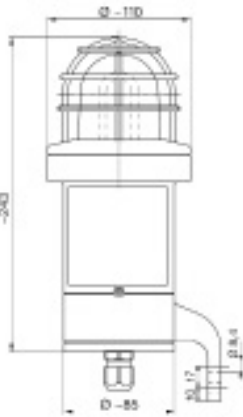
Certification

Protection type	II 2 G Ex d e IIC T5, T6 Gb II 2 D Ex tb IIIC T95°C, T80°C Db
Approval	PTB 99 ATEX 1028 IECEX PTB 09. 0062

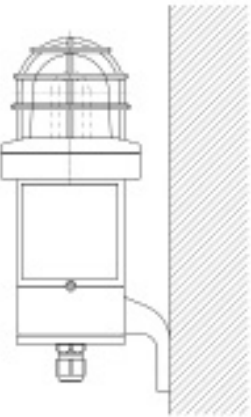
Specifications

Housing	Aluminium, surface varnished or powder-coated
Housing colour	Yellow/blue
Cap	Borosilicate glass dome with stainless steel protection cage
Cap colour	Transparent, red, amber, green, blue
Ingress protection	IP 66/67 according to EN 60529
Protection class	I
Cable glands	1 x M20 x 1.5, 1x blind plug M20 x 1.5
Connection terminals	Terminal capacity: 2,5 mm² single-wire 1,5 mm² fine-wire Protective earth – Screw connection with wire protection clamp in connection enclosure max. 2.5 mm² Equipotential – Screw connection with wire bonding conductor protection clamp outside, cross section max. 4 mm²
Flash energy	5 joule/15 joule
Flash frequency	Approx. 60/min. (1 Hz)
Average life cycle	Approx. 5 x 106 flashes
Operating conditions	Indoors and outdoors
Operating position	Any
Operating mode	Continuous operation
Temperature range	-55 °C bis +40 °C (T6) -55 °C bis +55 °C (T5)
Weight	Approx. 2 kg

General arrangement drawing (All dimensions in mm)



Wall mounting



Ordering data

* The full article number for ATEX and IECEX variants is made up by appending the colour code to the article numbers given below. INMETRO and EAC variants are available on request.

Type	Designation	Nominal voltage	Voltage range	Flash energy	Current consumption	Art. No.*
dSLB 20	Ex II Strobe Light	24 VDC	21-53 VDC	15 Joule	1 A	FHF 224 963 ..
dSLB 20	Ex II Strobe Light	80 VDC	72-132 VDC	15 Joule	250 mA	FHF 224 965 ..
dSLB 20	Ex II Strobe Light	115 VAC	103-127 VAC	15 Joule	200 mA	FHF 224 966 ..
dSLB 20	Ex II Strobe Light	230 VAC	207-253 VAC	15 Joule	200 mA	FHF 224 997 ..
dSLB 20	Ex II Strobe Light	12 VDC	10-14 VDC	5 Joule	600 mA	FHF 224 912 ..
dSLB 20	Ex II Strobe Light	24 VDC	21-53 VDC	5 Joule	280 mA	FHF 224 913 ..
dSLB 20	Ex II Strobe Light	80 VDC	72-132 VDC	5 Joule	90 mA	FHF 224 915 ..
dSLB 20	Ex II Strobe Light	115 VAC	103-127 VAC	5 Joule	135 mA	FHF 224 906 ..
dSLB 20	Ex II Strobe Light	230 VAC	207-253 VAC	5 Joule	130 mA	FHF 224 907 ..

Transparent	01
Red	02
Amber	03
Green	04
Blue	05

Accessories

Mounting plate with integrated junction box	FHF 229 901 01
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Note: All specifications, dimensions, weights and tolerances are nominal (typical) and Eaton reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.