Exploline



FHF
FUNKE+HUSTER·FERNSIG

EEx-Strobe light dSLB 21

Modular concept with GRP housing for use in areas with explosive atmospheres in zone 1 and 2

- ATEX II 2 G EEx de IIC T6
- Housing made of glass-fibre reinforced polyester (GRP)
- Light intensity: 5 Joule/15 Joule
- Protection: IP 66
- Safety class II
  (no equipotential bonding necessary)
- Integrated terminal box realized in Ex protection mode increased safety

Operation

Hazardous areas often require the use of optical signals for warning or information purposes. The EExII strobe light dSLB21 offers both of these signalling features.
It is designed for continuous operation. If the supply voltage is turned on, the Strobe Light dSLB21 is activated.
The device is available in several versions with various levels of operating voltage and flash energy and various signalling colours. The stable, glass-fibre reinforced polyester (GRP) housing is made to the IP66 degree of protection and may be used indoors or outdoors.
The II 2 G EEx de IIC T6 protection class enables the unlimited use of the signalling device in all hazardous areas, zones 1 and 2.

Design

The flameproof enclosure and the "increased safety" type of protection of the terminal room guarantee hazardous area protection.
The upper part of the flameproof enclosure, which contains the flash electronic and the mounted flash tube, consists of a transparent Makrolon-cap. An inner cap lends colour to the light.
The housing consists completely of GRP. Thus the device is protected against corrosion, and fulfills the requirements of contact safety class II. An equipotentiel bonding is not required.
All outer fastening parts are manufactured in noncorrosive materials.

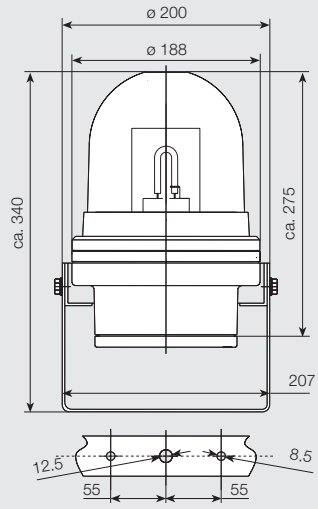
Fault indication on an Oil Platform

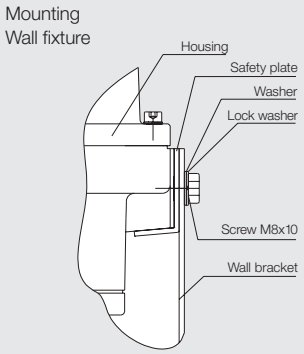
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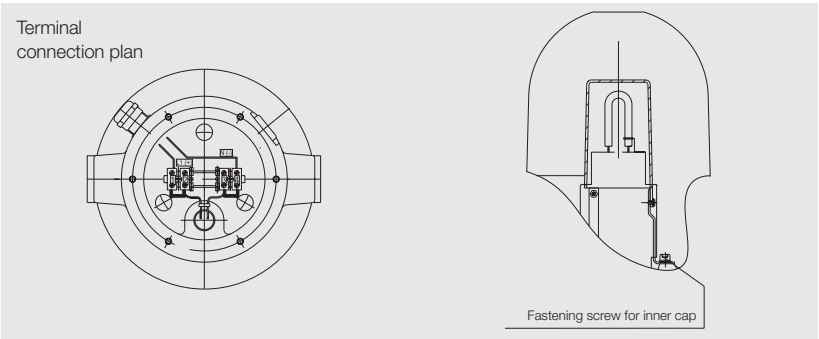


Technical Data

Housing-bottom part:	GRP glass-fibre reinforced polyester, colour: black
Housing-upper part	Makrolon (Polycarbonat), colour: clear, colour generated via coloured inner cap colours: red, amber, green, blue; standard: amber installed, red enclosed
Protection:	IP 66 (IEC529)
Protection class:	II (no equipotential bonding necessary)
Cable gland:	1x M20 x 1.5 cable gland and 1 blind plug M20 x 1.5
Connection terminals:	1.5 mm² fine wire 2.5 mm² single wire
Operating conditions:	indoors and outdoors
Operating position:	any
Flash Energy:	15 Ws (5 Ws on request)
Operating mode	Continuous
Temperature range	
Operation	-20°C to +40°C
Storage	-30°C to +80°C
Explosion Protection	II 2 G EEx de IIC T6
Weight	ca. 3.5 kg







Order information

Type	Name	Rated Voltage U_e	Volt. range	Current Cons.	Article no.
dSLB 21	EEx II-strobe light, 15 Ws	24 VDC	21–53 VDC	1 A	920 020 001 000 10
dSLB 21	EEx II-strobe light, 15 Ws	230 VAC 50 Hz	207–253 VAC	0.2 A	920 020 002 000 10

other voltages on request

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