

Exploline



Ex-Rotating Beacon dSLDF 21

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

- ▶ ATEX II 2 G Ex de IIC T5 / T6
- ▶ Housing made of glass-fibre reinforced polyester (GRP)
- ▶ Cap polycarbonate
- ▶ Light intensity: Halogen H1, 35 W
- ▶ Protection: IP 66
- ▶ Safety class II (no equipotential bonding necessary)
- ▶ Integrated terminal box realized in Ex protection mode increased safety



Application

Hazardous areas often require the use of optical signals for warning or information purposes. The Ex-Rotating beacon dSLDF 21 offers both of these signalling features. It is designed for continuous operation. If the supply voltage is turned on, the rotating beacon dSLDF 21 is activated.

The device is available in several versions with various levels of operating voltage 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 Ex 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 electronic and the mounted halogen lamp, 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 equipotential bonding is not required. All outer fastening parts are manufactured in non corrosive materials.

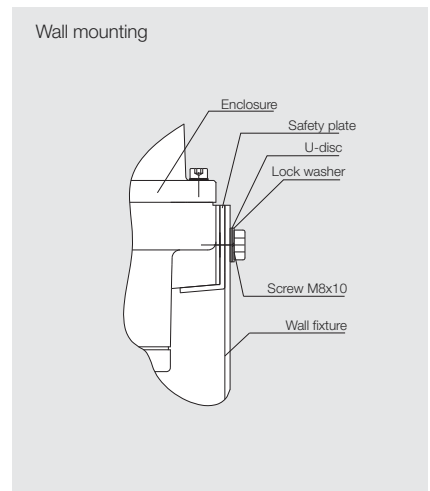
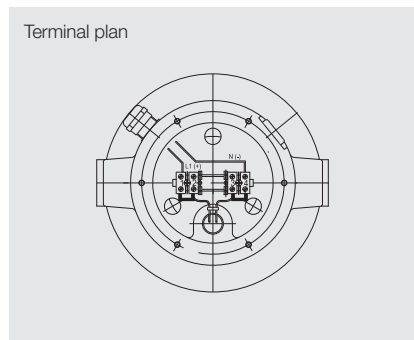
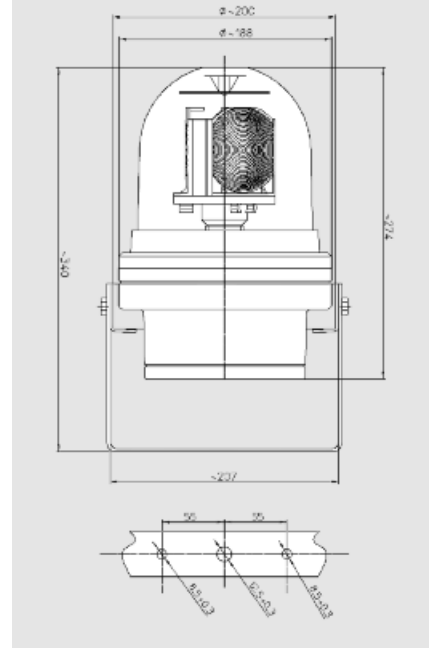
Emergency indicator at Oil Production

Hazardous areas often require the use of optical signals for warning purposes.



Technical specifications

Housing-bottom part:	GRP glass-fibre reinforced polyester Colour: black or red	
Housing-upper part	Polycarbonat, Colour: clear colour generated via coloured lenses; colours: red, amber, green, blue;	
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 mm ² fine wire 2.5 mm ² single wire	
Operating conditions:	indoors and outdoors	
Operating position:	Hanging or Standing The device may not be mounted horizontally	
Light source:	Halogen H1, 35 W	
Projection:	Triple lense system (Fresnel lense) approx. 60 r/min.	
Operating mode	Continuous	
Temperature range		
Operation	-20°C to +40°C (T6)	-20°C bis +75°C (T5)
Storage	-30°C to +80°C	
Explosion Protection	II 2 G Ex de IIC T6	
Weight	ca. 5.5 kg	



* The full article number is made up by appending the colour code for the coloured cap to the article numbers given below.

transp.	1
red	2
yellow	3
green	4
blue	5

Order information

*All article-numbers are ATEX-variants

Type	Name	Rated Voltage U _e	Voltage range U _e	Current Cons.	* Article no.
Housing black					
dSLDF 21	Ex-Rotating Beacon	12 VAC/DC	+10/-10%	3,33 A	98 012 01 .
dSLDF 21	Ex-Rotating Beacon	24 VAC/DC	+10/-15%	1,66 A	98 024 01 .
dSLDF 21	Ex-Rotating Beacon	115 VAC	+10/-10%	0,35 A	98 115 11 .
dSLDF 21	Ex-Rotating Beacon	230 VAC	+10/-10%	0,18 A	98 230 11 .
Housing red					
dSLDF 21	Ex-Rotating Beacon	12 VAC/DC	+10/-10%	3,33 A	98 012 01 . 13
dSLDF 21	Ex-Rotating Beacon	24 VAC/DC	+10/-15%	1,66 A	98 024 01 . 13
dSLDF 21	Ex-Rotating Beacon	115 VAC	+10/-10%	0,35 A	98 115 11 . 13
dSLDF 21	Ex-Rotating Beacon	230 VAC	+10/-10%	0,18 A	98 230 11 . 13

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