

# IS-MINI LED BLINKING LIGHT

## IS-mB1



Very economical visual alarm.

- Certified for use in Ex-Zones 0, 1 and 2!
- Compact design with a diameter of just 88 mm.
- Blinking light operated via certified zener barriers or galvanic isolators.
- Super-bright LEDs in red, green, blue and yellow/amber.
- Very well suited for fire alarm systems and direct control due to low power consumption.



protection system



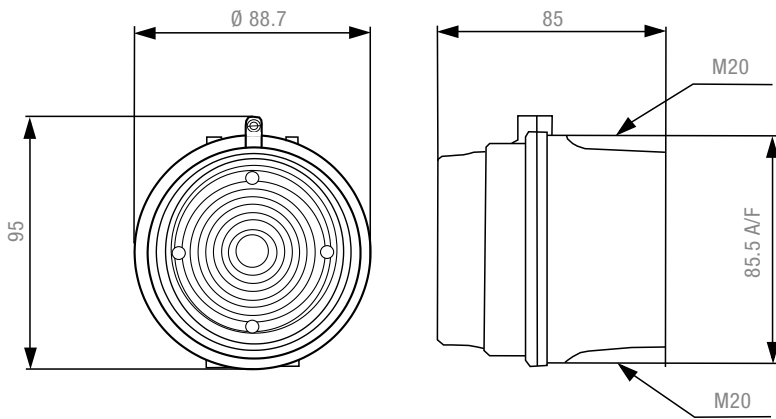
operating temperature

PRODUCT	IS-mB1	
<b>DATA</b>		
Operating range	16–28 V	
Rated voltage	24 V DC	
Nominal current consumption	25 mA <sup>1</sup>	
Type of protection	“ia” inherently safe	
Explosion protection	II 1G EEx ia IIC T4	
Category (area of use)	1G (Zone 0) / 2G (Zone 1) / 3G (Zone 2)	
Certificate	SIRA 05 ATEX2084 X	
Testing body	SIRA	
Flash rate	can be set to 2 Hz or 1 Hz	
Light source	LED	
Temperature class T	T4 @ Ta –40 °C ... +60 °C	
Storage temperature	7 cd	
Relative humidity	–40 °C ... +70 °C	
Protection system (EN 60529)	90 %	
Duty cycle	IP 65	
Material	lens	polycarbonate (PC)
	housing	ABS, self-extinguishing UL94V0 & 5VA, similar to RAL 3000 (flame red)
Connecting terminals	0.5–2.5 mm <sup>2</sup>	
Cable entry	2x M20 (knock-outs prepared)	
Weight	210 g	

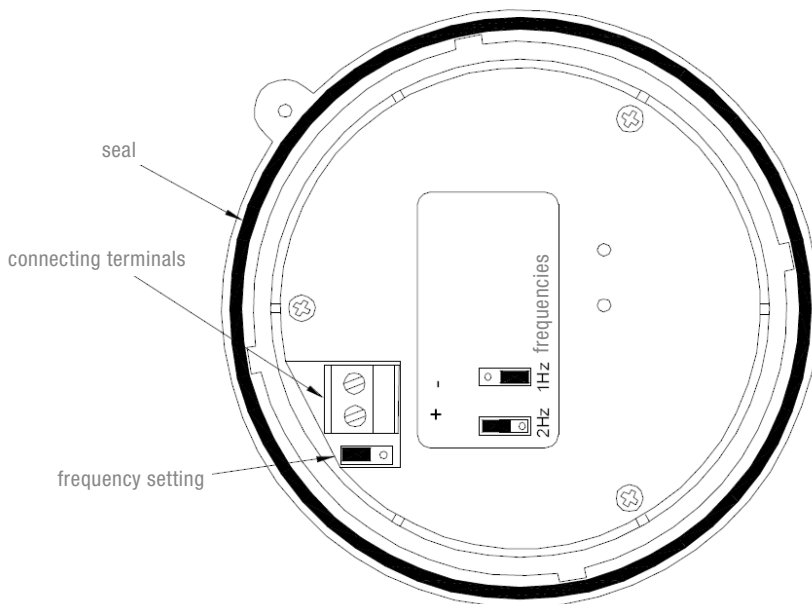
<sup>1</sup> typical for connection to 24 V DC via 28 V / 300 Ω zener barrier.

Power must be connected via a zener barrier (max. 28 V DC, 93 mA DC, 0.66 W) or a galvanic isolator, specified by the system certificate.

## DIMENSIONS



## CONNECTION DIAGRAM



## OPTIONS/ACCESSORIES

**Zener  
Barrier**

ARTICLE NO.	IS-mB1
LED colour	24 V DC
	31008804000
	31008805000
	31008806000
	31008807000

## MANUFACTURER'S DECLARATION

Developed and manufactured in accordance with the following regulations and standards:

EN 50014	Electrical equipment for areas at risk of explosions – General requirements
EN 50020	Electrical equipment for areas at risk of explosions – intrinsically safety "i"
EN 50284	Special requirements for the design, testing and marking of electrical equipment in appliance group II, category 1G