

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

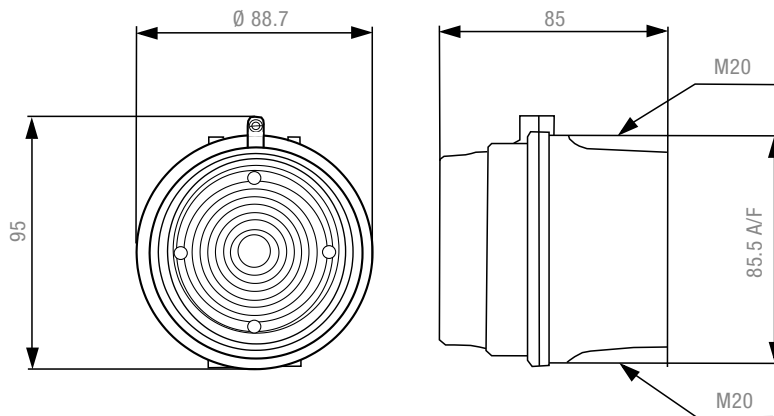


PRODUCT	IS-mB1
Rated voltage	24 V DC
Operating range	16–28 V
Nominal current consumption	25 mA ¹
Type of protection	“ia” inherently safe
Explosion protection	II 1G EEx ia IIC T4
Category (area of use)	1G (Zone 0) 2G (Zone 1) 3G (Zone 2)
Certificate	SIRA 05 ATEX2084 X
Testing body	SIRA
Flash rate	can be set to 2 Hz or 1 Hz
Light source	LED    
Temperature class T	T4 @ Ta –40 °C ... +60 °C
Storage temperature	–40 °C ... +70 °C
Relative humidity	90 %
Protection system (EN 60529)	IP 65
Duty cycle	100 %
Material	lens polycarbonate (PC)
	housing ABS, self-extinguishing UL94V0 & 5VA, similar to RAL 3000 (flame red)
Connecting terminals	0.5–2.5 mm ²
Cable entry	2x M20 (knock-outs prepared)
Weight	210 g

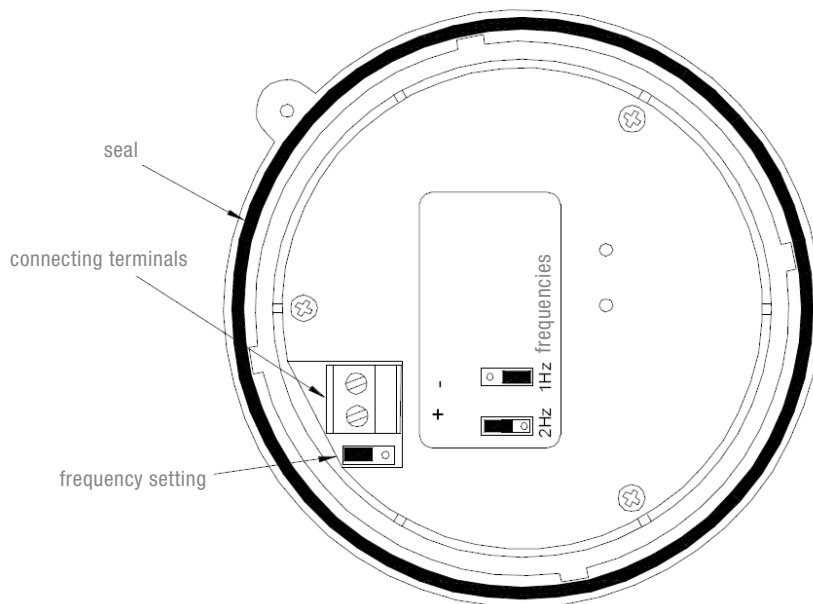
¹ typical for connection to 24 V DC via 28 V / 300 Ω zener barrier.

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