IS-mB1 IS-minialite



The IS-mB1 is a compact beacon with an array of six high output L.E.D's. Approvals include ATEX, IECEx and EAC Ex for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications.

The IS-mB1 is suitable for all intrinsically safe signalling applications including fire, security and process control.

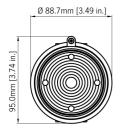
Features

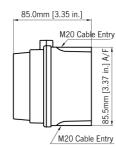
- Input overload and reverse current protection
- End of line resistor certified
- Prismatic lens optimises L.E.D effectiveness

Approvals

- ATEX certificate: SIRA 05ATEX2084X
 IECEx certificate: IECEx SIR 06.0045X
- FM approved
- GOST-R certificate: POCC GB.JB05.B03365







Specification

Light source:	Array of 6 high intensity L.E.D's.
L.E.D. colours:	Red, Amber, Blue, Green & Clear
Flash modes:	Double flash at 2Hz and 1Hz
Effective intensity cd:	23cd* – measured ref. to I.E.S.
Voltage:	16-28vdc via Zener barrier or galvanic isolator
Current:	25mA typical when powered from 24v supply via 28v 300 Ohm Zener barrier
Ingress protection:	IP65
Rating:	Continuous
Housing material:	UL94V0 & 5VA FR ABS & PC
Housing colour:	RAL 3000 Red
Fixings:	Stainless Steel
Cable entries:	2 x M20 clearance gland knockouts.
	Custom configurations also available.
Terminals:	0.5 to 2.5mm ²
Operating temp:	-40° to +60°C [-40 to +140°F]
Storage temp:	-40° to +70°C [-40 to +158°F]
Relative humidity:	90% at 20°C [68°F]

Part Codes

Part Codes	
IS-mB1-R/[x]	
ATEX / IECEx / FI	M
II 1G Ex ia IIC T4	Ga (-40°C <=Ta<= +60°C)
IS Class I, Zone 0,	AEx ia IIC T4
IS Class I, Division	1, Groups A, B, C, D
GOST-R	
OExialICT4 IP65 -4	40° to +60°C
[x]: Lens colour:	A: Amber R: Red

R: Red
B: Blue
G: Green
C: Clear (white LED)

May be powered from any certified Zener barrier or galvanic isolator whose output parameters do not exceed:

Uo : 28VDC Io : 660mA Po : 1.2W