

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.

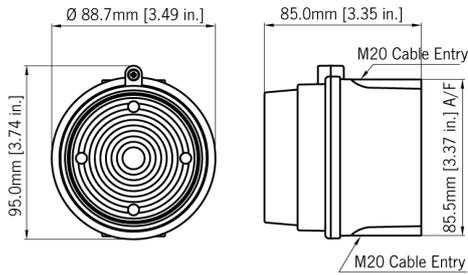
Features

- 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 |
| Enclosure material: | UL94V0 & 5VA FR ABS & PC |
| Enclosure colour: | RAL3000 Red |
| Fixings: | Stainless Steel |
| Cable entries: | 2 x M20 clearance gland knockouts. Custom configurations also available. |
| MTBF: | 294.6 years / 2,580,645 hours - MIL 217 |
| 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

| | |
|--|---|
| ISmB1-R/[y] | |
| ATEX / IECEx / FM | |
| 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 | |
| 0ExialICT4 IP65 -40° to +60°C | |
| [y]: Lens colour: | A: Amber 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 | |