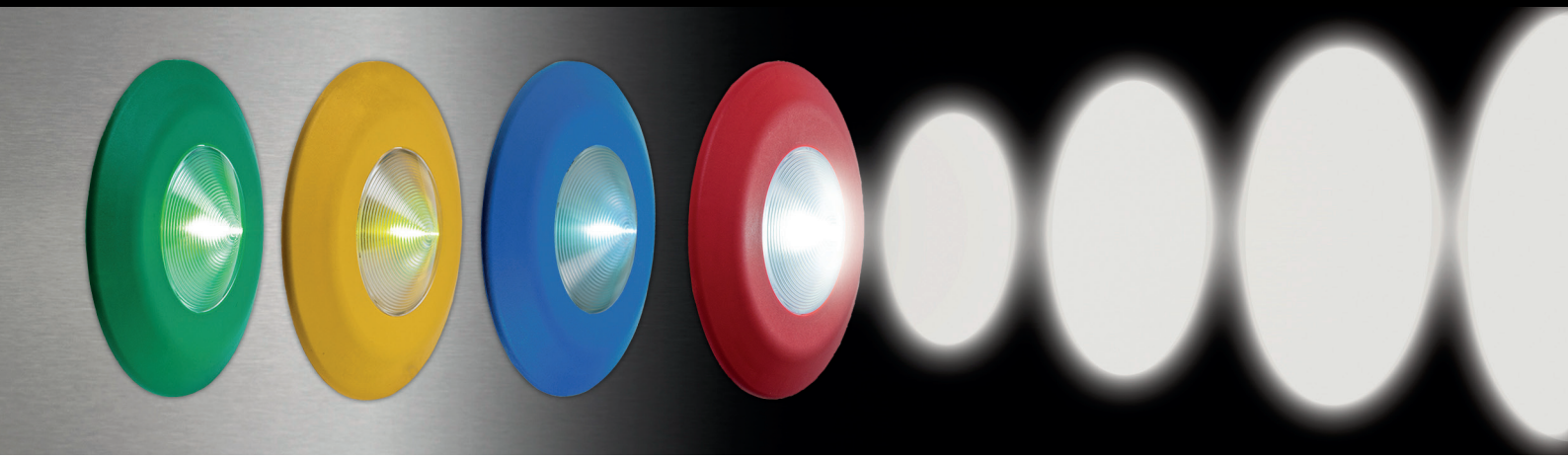
EAO – Your Expert Partner for
Human Machine Interfaces

Series 56 | Flashing Warning Beacon



The LED flashing beacon supplements the successful Series 56 range. It is designed to alert users to system malfunctions in public area applications like trains, buses and elevators. With its conical design and bright white LEDs, the beacon offers unimpaired visibility from all sides and angles. The materials used meet EAO's high standards for quality, functional reliability, service life and design. The beacon shares the same design and dimensions of other Series 56 products. There is a choice of chromed metal or plastic bezels in a range of colours.

Typical applications

- Public transport
- Public lifts and elevators
- Roadside emergency telephones

Special feature

- 180° light visibility

Materials

The materials used meet EAO's high standards regarding quality, functional reliability, service life and design.

- Front ring: matt chrome zinc alloy and thermoplastic polybutylene terephthalate (PBT), UL94 V0 in various colours
- Connection cable: flame-retardant, halogen-free polyolefin mix

Mounting

The flashing warning beacon features the same dimensions as all Series 56 devices.

- Easy panel mounting with the 3 fastening screws (supplied)
- Rear panel mounting with 3 studs

Mechanical properties

- Connection method:
  - Cable 2-poles with plug-in connection 2.8 x 0.8 mm flat, rectangular, plug-in housing: AMP 626 057-0
  - Mating-half to AMP flat plug-in housing (optional) Receptacle housing: AMP 626 056-0 Receptacle socket: AMP 160 655-2
- Wire cross-section: 0.25 mm^2
- Wire length: 200 mm with AMP connector 2.8 x 0.8 mm

Electrical properties

- Operating voltage: 24 VDC, ± 30 %
- Power consumption: < 500 mA, depending on operating voltage

Indicator properties

- Flash frequency: 1 Hz
- Impulse duration: 50 ms
- Pause duration: 950 ms
- Duty cycle: 5 %
- LED colour: white

Front ring colours

- Red, yellow, green, blue, orange, chrome matt

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Approved as per
- EN 61000-6-2
- EN 61000-6-3
- EN 50155

Environmental conditions
- Temperature
  – Storage temperature: –45 °C … +90 °C
  – Operating temperature: –40 °C … +80 °C

Degree of protection
- IP67 front / IP65 rear

Climate resistance
- Damp heat, cyclic
  96 hours, +25 °C / 97 %, +55 °C / 93 % relative humidity,
  as per EN IEC 60068-2-30
- Damp heat, state
  56 days, +40 °C / 93 % relative humidity,
  as per EN IEC 60068-2-78
- Rapid change of temperature
  100 cycles, –40 °C … +80 °C, nach EN IEC 60068-2-14

Shock resistance (semi-sinusoidal)
- max. 250 m/s², pulse width 11 ms, as per EN IEC 60068-2-27

Vibration resistance (sinusoidal)
- max. 100 m/s² at 10 Hz … 2000 Hz, as per EN IEC 60068-2-6

Approvals
- Declaration of conformity: CE

Dimensions