

Explosion-safe LED Signal light AR-047

Suitable for Zone 1 / 21, with fixed cable



Features

- ATEX and IECEx certified
- Suitable for use in gas and dust environments, Zone 1, 2, 21 and 22
- Light color red, yellow / amber or green
- Continuous lighting or blinking, user selectable
- AISI 316 stainless steel housing
- Polycarbonate (PC) impact-resistant window
- Ingress protection level IP65
- 24 - 48 VDC, 4 Watt
- Fixed cable, 5 meters



II 2 G Ex mb IIC T4 Gb
II 2 D Ex mb IIIC T135°C Db



Description

Artidor's omnidirectional explosion-safe AR-047 LED signal light is designed for use under the most demanding conditions. The robust stainless steel AISI 316 housing and top plate, the 20 mm thick impact-resistant window, the silicon seals and molded electronics ensure that the lamp is completely impervious to water and salt.

The latest generation LEDs ensure a clearly perceptible visual signal. Dependent on the user's selection, the light will burn continuously or it blinks at a frequency of 1 Hertz. The signal light can be ordered with a radial cable connection or (at request) with a bottom connection. This makes the lamp highly suitable for use as a warning light on control cabinets.

The connection cable has a standard length of 5 meters.

The Artidor AR-047 LED signal light is explosion-safe and certified in accordance with European Directive 2014/34/EU (ATEX 114) and is CE marked. The AR-047 signal light also meets the requirements of the IEC certification system for explosive atmospheres (IECEx).



STANDARDS COMMITTEE MEMBER



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Technical data

| | |
|---------------------------|---|
| Explosion safety: | II 2 G Ex mb IIC T4 Gb, II 2 D Ex mb IIIC T135°C Db |
| European directives: | 2014/34/EU (ATEX 114), 2014/30/EU (EMC) |
| Applied standards: | EN IEC 60079-0:2018 and EN 60079-18:2015 / A1:2017 |
| Certificates: | DEKRA 23ATEX0068X (ATEX) and IECEx DEK 23.0048X (IECEx) |
| Light color: | Red (625 nm), yellow / amber (610 nm) or green (530 nm) |
| Luminance: | Red: 4.250 Cd/m ² , yellow / amber: 6.350 Cd/m ² and green: 8.300 Cd/m ² |
| Material: | AISI 316 stainless steel housing, 20 mm impact-resistant polycarbonate window |
| Ingress protection level: | IP65 according to EN 60529 |
| Supply voltage: | 24 - 48 VDC ± 10% |
| Nominal current: | 160 mA @ 24 VDC |
| Connection: | Fixed cable, 4 x 0,5 mm ² , length 5 m |
| Earth connection: | External, stainless steel, 4 mm ² |
| Ambient temperature: | -20 °C to +60 °C |
| Dimensions: | Ø 95 x 60 mm (excl. cable gland) |
| Mounting: | Stainless steel bracket |
| Weight: | 1.750 gram |



Order code

AR-047 / 0 3 3 - R

Light color

R = Red, 625 nm

Y = Yellow / amber, 610 nm

G = Green, 530 nm

Housing material

3 = Stainless steel AISI 316

Lighting mode

3 = Continuous or blinking, user selectable – 4-wire connection

Cable position

0 = Radial (default, see picture)

1 = Axial