Explosion-safe LED Warning light AR-048

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 explosion-safe AR-048 LED warning light is designed for use under the most demanding conditions. The robust stainless steel housing, the 4 mm thick impact-resistant window, the O-ring seal and molded electronics ensure that the lamp is completely impervious to water and salt.

ZONE 1/21

The latest generation LEDs ensure a clearly perceptible visual signal. Dependent on the execution, the light will burn continuously or it blinks at a frequency of 1 Hertz. The warning light can be ordered either with a radial cable connection or with a connection on the back of the lamp. 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-048 LED warning light is explosion-safe and certified in accordance with European Directive 2014/34/EU (ATEX 114) and is CE marked. The AR-048 signal light also meets the requirements of the IEC certification system for explosive atmospheres (IECEx).

nen standards committee member

ISO 9001

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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 24ATEX0038X (ATEX) and IECEx DEK 24.0027X (IECEx)
Light color:	Red (625 nm), yellow / amber (610 nm) or green (530 nm)
Light intensity:	195 lm
Material:	AISI 316 stainless steel housing, 4 mm impact-resistant polycarbonate window
Degree of protection:	IP65 according to EN 60529
Supply voltage:	24 -48 VDC ± 10%
Nominal current:	160 mA @ 24 VDC
Connection:	Fixed cable, 4 x 0,5 mm², length 5 m
Earth connection:	External, stainless steel, 4 mm²
Ambient temperature:	-20 °C to +60 °C
Dimensions:	Ø95 x 41 mm (excl. cable gland)
Assembly:	Stainless steel bracket
Weight:	1.610 gram

Order code

AR-048 / 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

This document is subject to change without notice.