

# AR-047 LED SIGNAL LIGHT

Zones 2, 22

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## ATEX VISUAL SIGNALLING DEVICES ZONES 2 (gas) & 22 (dust)

The AR-047 omnidirectional explosion-safe LED signal light is designed for use under the most demanding conditions. The robust anodized aluminum housing and top plate, the 20 mm thick impact-resistant window, the O-ring seal and cast electronics ensure that the lamp is completely impervious to water and salt.

The 15 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 signal 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. For application under more demanding conditions there is also a version available with an AISI 316 stainless steel housing and top plate.



Declaration of Conformity

### ITEM REFERENCES

Designation:	Light color:	Lighting mode:	Connection:	Item No.:
AR-047 / 0 1 1 - R	Red	Continuous	3-wire connection	2A2301
AR-047 / 0 2 1 - R	Red	Blinking (1 Hertz)	3-wire connection	2A2302
AR-047 / 0 3 1 - R	Red	Continuous or Blinking, user selectable	4-wire connection	2A2303
AR-047 / 0 1 1 - Y	Yellow / Amber	Continuous	3-wire connection	2A2304
AR-047 / 0 2 1 - Y	Yellow / Amber	Blinking (1 Hertz)	3-wire connection	2A2305
AR-047 / 0 3 1 - Y	Yellow / Amber	Continuous or Blinking, user selectable	4-wire connection	2A2306
AR-047 / 0 1 1 - G	Green	Continuous	3-wire connection	2A2307
AR-047 / 0 2 1 - G	Green	Blinking (1 Hertz)	3-wire connection	2A2308
AR-047 / 0 3 1 - G	Green	Continuous or Blinking, user selectable	4-wire connection	2A2309

### TECHNICAL SPECIFICATIONS

Marking:	II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T135° Dc
Certificate:	Declaration of Conformity
Light color:	Red (625 nm), Yellow / Amber (610 nm) or Green (530 nm)
Luminance:	Red: 4.250 Cd/m <sup>2</sup>   Yellow / Amber: 6.350 Cd/m <sup>2</sup>   Green: 8.300 Cd/m <sup>2</sup>
Material:	Anodized aluminum housing (AISI 316 stainless steel on request), 20 mm impact-resistant window (PMMA)
Ingress protection:	IP65 according to EN 60529
Supply voltage:	24 VDC ± 10%
Nominal current:	160 mA @ 24 VDC
Connection:	Radial: Fixed cable, 3 x 1 mm <sup>2</sup> or 4 x 1 mm <sup>2</sup> , length 5 m   (Axial: On request)
Earth connection:	External, stainless steel, 4 mm <sup>2</sup>
Ambient temperature:	-20 °C to +60 °C
Dimensions:	Ø 95 x 52 mm (excl. cable gland)
Assembly:	M5 tapped holes (3x) on an 81 mm pitch circle diameter
Weight:	575 gr (aluminum) / 1.395 gr (stainless steel)

