

# Explosion-safe Signal Light AR-077/211

## With connection terminals and cable gland



### Features

- ATEX certified
- Suitable for use in gas and dust hazardous areas, zones 1, 2, 21 and 22
- Lens in 6 different colors
- Available with Xenon bulb or multi-LED reflex lamp
- Anodized aluminum housing with stainless steel wall mount bracket
- Impact-resistant polycarbonate dome
- Ingress Protection level IP66
- 24, 48, 60, 115 V AC/DC and 230 V AC
- Connection terminals 3 x 2.5 mm<sup>2</sup>



II 2 G Ex de IIC T6  
II 2 D Ex tD A21 IP65 T80°C



### Description

Artidor's explosion-safe signal lights are designed to safely attract people's attention in areas with a possibly explosive atmosphere due to the release of gas or dust. They give a clearly detectable signal when a machine malfunctions or a process is interrupted, when there is a telephone call or a hazardous situation occurs which requires immediate attention.

The signal light can be ordered as a:

- strobe flashing light with a Xenon lamp;
- steady-burn LED status light;
- blinking LED status light.

The transparent dome has light dispersion ribs on the inside for optimum visibility. There are six light colors available.

The lighting fixture has a connection compartment equipped with three connection terminals (L, N, PE). It is also possible to order for six connection terminals, bridged 2 by 2, to connect more signal lights.

The method of protection against ignition of the connection compartment is increased safety "Ex e"; no special skills are required for installation of the signal light.

The Artidor signal lights are explosion-safe and certified according to European directive 2014/34/EU (ATEX 114) and are CE marked.



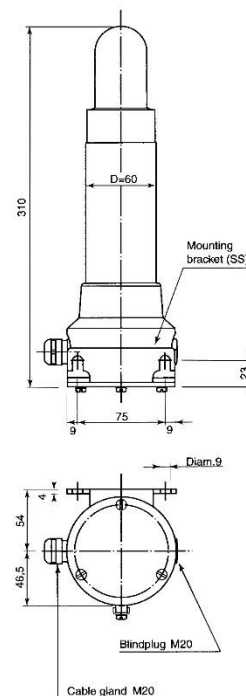
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### Technical data

Explosion safety:	II 2 G Ex de IIC T6, II 2 D Ex tD A21 IP65 T80°C
European directives:	2014/34/EU (ATEX 114) and 2014/30/EU (EMC)
Applied standards:	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2003 EN 61241-0:2006, EN 61241-1:2004, EN 50081-1, EN 50082-1
EC-Type Examination Certificate:	KEMA 07ATEX0046
Lens colors:	Red, Orange, Yellow, Green, Blue and Clear
Light source (Xenon):	Xenon bulb, 5 Joule, 1 flash / sec, 8·10 <sup>6</sup> flashes lifetime
Light source (LED):	Multi-LED reflex lamp
Material:	Anodized aluminum
Ingress Protection level:	IP66 according to EN 60529
Voltages:	24, 48, 60, 115 V AC/DC and 230 V AC
Activation time:	100%
Entries:	M20 x 1,5 (2x); Cable gland Ø 6-12 mm (1x) and Blind plug (1x)
Connection terminals:	3 x 2.5 mm <sup>2</sup> (L, N, PE)
Earth connection:	External, stainless steel, 4 mm <sup>2</sup>
Ambient temperature:	-20 °C to +40 °C
Dimensions:	Ø 93 x 310 mm (excl. bracket and cable gland)
Weight:	1.610 gram



### Colors



### Electrical data

	Flashing Signal Light (Xenon)					Status Light (LED)		Status Light (LED) blinking	
	24 V	48 V	60 V	115 V	230 V	24 V	230 V	24 V	230 V
<b>Voltage</b>	24 V	48 V	60 V	115 V	230 V	24 V	230 V	24 V	230 V
<b>AC/DC</b>	AC/DC	AC/DC	AC/DC	AC/DC	AC	AC/DC	AC	AC/DC	AC
<b>Variation</b>	20-27 V	44-62 V	44-62 V	95-120 V	200-245 V	20-27 V	200-240 V	20-27 V	200-240 V
<b>Current nom.</b>	300 mA	170 mA	170 mA	130 mA	65 mA	30 mA	60 mA	30 mA	60 mA
<b>Frequency</b>	0-60 Hz	0-60 Hz	0-60 Hz	0-60 Hz	50-60 Hz	0-60 Hz	50-60 Hz	0-60 Hz	50-60 Hz
<b>Power</b>	8 VA	10 VA	10 VA	15 VA	15 VA	0,7 VA	1,4 VA	0,7 VA	1,4 VA

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## Ordering code

Type number		Voltages
AR-077/211/XE*	Flashing Signal Light (Xenon)	24, 48, 60 and 115 V AC/DC, 230 V AC
AR-077/211/LED*	Steady-burn Status Light (LED)	24 V AC/DC, 230 V AC
AR-077/211/LED Blinking*	Blinking Status Light (LED)	24 V AC/DC, 230 V AC

\* Supply voltage and lens color must be specified upon ordering. All signal lights are provided with a stainless steel wall bracket.