Explosion-safe Signal Light AR-077/211
With connection terminals and cable gland

ARTIDOR

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
- Anodized aluminum housing with stainless steel wall mount bracket
- Impact-resistant polycarbonate dome
- Ingress Protection level IP66
- 48, 60, 115 V AC/DC and 230 V AC
- Connection terminals 3 x 2.5 mm²

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 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.
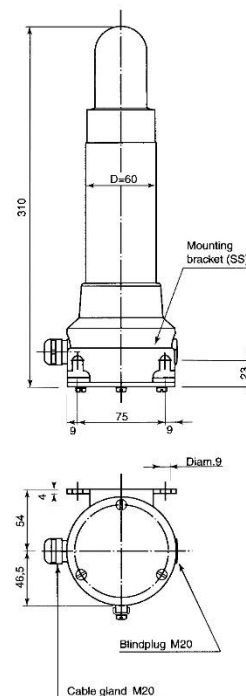
NEN STANDARDS COMMITTEE MEMBER

ISO 9001

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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, $8·10^6$ flashes lifetime
Material:	Anodized aluminum
Ingress Protection level:	IP66 according to EN 60529
Voltages:	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^2 (L, N, PE)
Earth connection:	External, stainless steel, 4 mm^2
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)			
Voltage	**48 V**	**60 V**	**115 V**	**230 V**
AC/DC	AC/DC	AC/DC	AC/DC	AC
Variation	44-62 V	44-62 V	95-120 V	200-245 V
Current nom.	170 mA	170 mA	130 mA	65 mA
Frequency	0-60 Hz	0-60 Hz	0-60 Hz	50-60 Hz
Power	10 VA	10 VA	15 VA	15 VA

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Ordering code

Type number		Voltages
AR-077/211/XE*	Flashing Signal Light (Xenon)	48, 60 and 115 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.