Explosion-safe Twilight Switch AR-022

Suitable for use in zone 2 and 22

ARTIDOR

Features

- ATEX certified
- Suitable for use in locations with gas and dust, zone 2 and 22
- Ingress protection level IP66
- Coated aluminum housing
- Max. output power up to 4,000 VA
- Light sensitivity 10 – 300 Lux
- Delay ± 1 minute
- Mounting bracket included

II 3 G Ex nR IIC T6 Gc
II 3 D Ex tc IIIC T85°C Dc

Description

The Artidor AR-022 twilight switch is based on a highly sensitive photodiode and modern electronics and offers an electrical output that can deliver up to 4.000 VA on pure resistive or light inductive loads and an additional potential free contact.

The twilight switch can be applied successfully in circulation areas, staircases, storage spaces, cooling and freezing cells and business areas where safety and good visibility are important.

The twilight switch meets the latest explosion safety requirements and can be applied in a wide range of locations with potentially explosive atmosphere as a result of gas or dust.

The Artidor AR-022 twilight switch is certified in accordance with European Directive 2014/34/EU (ATEX 114) for use in gas or dust hazardous areas and is CE marked

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NEN
STANDARDS COMMITTEE MEMBER

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ATHEX INDUSTRIAL SUPPLIERS

Explosion-safe Twilight Switch AR-022

Suitable for use in zone 2 and 22

Technical data

Explosion safety:	II 3 G Ex nR IIC T6 Gc, II 3 D Ex tc IIIC T80°C Dc
EU directives:	2014/34/EU (ATEX 114) and 2014/30/EU (EMC)
Standards applied:	EN 60079-0:2018, EN 60079-15:2010 and EN 60079-31:2014
Light sensitive cell:	Photodiode
Light sensitivity:	10 – 300 Lux
Delay:	± 1 minute
Supply voltage:	230 VAC, 50 Hz
Switched power AC1:	4,000 VA (resistive and light inductive loads)
Rated current 250 VAC:	16 A continuous
Rated current 24 VDC:	2 A (potential free contacts 1 – 2 only)
Output:	Switched 230 VAC supply (L', N2) and potential free contact (1, 2)
Electrical connection:	Connection terminals 8 x 2.5 mm²
Material:	Die cast aluminum housing, RAL 7015, slate grey, polyamide frame with impact resistant safety glass
Entries:	M20 cable gland (2x) suitable for cables from 6 – 14 mm in diameter
Ingress protection level:	IP66 according to EN 60529
Mounting bracket:	Stainless steel mounting bracket, mounting holes Ø6,5 (4x), mutual distance 60 x 60 mm
Ambient temperature:	-20 °C to +50 °C
Dimensions housing:	160 x 80 x 128 mm (incl. mounting bracket)
Weight:	1,330 grams (incl. mounting bracket)

Ordering codes

Type number	Details
AR-022	M20 (2x) cable glands for cables from 6 – 14 mm in diameter

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