

Explosion-safe Twilight Switch AR-022

Suitable for use in zone 2 and 22



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 2,000 VA
- Light sensitivity 30 – 300 Lux
- Delay \pm 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 twilight switch is based on a highly sensitive photodiode and modern electronics and offers an electrical output that can deliver up to 2.000 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 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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Technical data

Explosion safety:	ATEX 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 60079-0:2012 / A11:2013, EN 60079-15:2010, EN 60079-31:2014
Light sensitive cell:	Photodiode
Light sensitivity:	30 – 300 Lux
Delay:	± 1 minute
Power supply:	230 V AC, 50 Hz
Switched power AC1:	2,000 VA (resistive and light inductive loads)
Switched power AC15:	400 VA at 230 V AC (electromagnetic load with tenfold engagement power)
Motor load AC3:	0.3 kW at 230 V AC (stopping and starting of squirrel-cage armature motors)
Output:	Switched 230 V AC supply (L', N2) and free contact (1, 2)
Electrical connection:	Connection terminals 7 x 2.5 mm ²
Material:	Die cast aluminum housing (RAL 7032, silver gray), polyamide frame with impact resistant safety glass
Entries:	M16 cable gland (2x) suitable for cables from 5 – 9 mm in diameter
Ingress protection level:	IP66 according to EN 60529
Mounting bracket:	Black steel mounting bracket, mounting holes Ø7 (4x), mutual distance 81 x 88 mm
Ambient temperature:	-20 °C to +50 °C
Dimensions (L x W x H):	160 x 80 x 73 mm
Weight:	1,650 gram (incl. mounting bracket)

Ordering codes

Type number	Details
AR-022/001	M16 (2x) for cables from 5 – 9 mm in diameter (default)
AR-022/002	M20 (1x) and M16 (1x)
AR-022/003	M20 (2x) for cables from 9 – 13 mm in diameter