

AR-022 TWILIGHT SWITCH

Zones 2, 22

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ATEX INSTRUMENTATION

ZONES 2 (gas) & 22 (dust)

The 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.





Declaration of Conformity

ITEM REFERENCES

Designation:	Item No.:
AR-022 Twilight Switch	9E0201

TECHNICAL SPECIFICATIONS

Marking:	 II 3G Ex nR IIC T6 Gc,  II 3D Ex tc IIIC T80°C Dc
Certificate:	Declaration of Conformity
Operating temperature:	-20°C to +50°C
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)
Output contacts:	1. Switched 230 V AC supply (L, N2) 2. Potential free contact (1, 2)
Rated current 250 V AC:	16 A continuous
Rated current 24 V DC:	2 A (potential free contacts 1 – 2 only)
Output:	Switched 230 VAC supply (L, N2) and potential free contact (1, 2)
Connection:	Connection terminals 8 x 2.5 mm ²
Material:	Die cast aluminum housing, RAL 7015, slate grey, polyamide frame with impact resistant safety glass
Ingress protection:	IP66 according to EN 60529
Mounting bracket:	Stainless steel mounting bracket, mounting holes Ø6,5 (4x), mutual distance 60 x 60 mm
Dimensions:	160 x 80 x 128 mm (incl. mounting bracket)
Weight:	1330gr (incl. mounting bracket)
Cable entries:	2xM20 cable glands for non armoured cable Ø6 – Ø14 mm