

Explosion-safe Timer Relay AR-023

Suitable for zones 2 and 22



Features

- ATEX certified
- Suitable for use in gas and dust environments, zones 2 and 22
- Protection rating IP65
- Fiberglass-reinforced polyester
- Two switched outputs to max. 4 Amps
- Interconnection option to second device
- Timer value maximum 10, 30 or 45 min (depending on model)



II 3 G Ex nA mc IIC T6 Gc
II 3 D Ex tc IIIC T80°C Dc



Description

The ARTIDOR explosion-safe AR-023 timer relay is a delayed shutoff relay with which two devices, for example lighting, is switched on after a press of the button and switched off again automatically after the set time. The timer relay has a fiberglass-reinforced plastic housing with a surface resistivity of $< 10^9$ Ohms and therefore will not become electrostatically charged. The circuit to the start button is intrinsically safe by design.

Gas explosion safety is ensured using the protection methods against ignition “non-sparking equipment” and “molding”. Dust explosion safety is ensured by the protection method against ignition “protection by enclosure”.

The ARTIDOR timer relay is explosion-safe and certified in accordance with European Directive 2014/34/EC (ATEX 114) and is CE marked.



STANDARDS COMMITTEE MEMBER



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Technical data

European Directives:	2014/34/EU (ATEX) and 2014/30/EU (EMC)
Explosion safety:	II 3 G Ex nA mc IIC T6 Gc, II 3 D Ex tc IIIC T80°C Dc
Standards applied:	EN 60079-0:2012 / A11:2013, EN 60079-15:2010, EN 60079-18:2015 and EN 60079-31:2014
Preset time	Adjustable from 10 seconds to 10, 30 or 45 minutes (depending on model)
Supply voltage:	230 V AC, 50 Hz
Nominal current:	9 mA AC
Material:	Fiberglass-reinforced polyester
Housing dimensions:	152 x 102 x 81 mm
Connections:	Power supply in, Power supply out (interconnection contact), switched outputs (2x)
Electrical connections:	Cable glands 2.5 mm ² (L, N, PE)
Switched outputs:	4 Amps max. (2x)
Ingress protection level:	IP65 according to EN 60529
Mounting:	Ø 4.5 mm mounting holes (4x), spacing 137 x 87 mm
Ambient temperature:	-20 °C to +60 °C
Weight:	885 grams

Ordering codes

Type number	Description	Maximum timer value
AR-023/001	Timer relay	10 minutes
AR-023/002	Timer relay	30 minutes
AR-023/003	Timer relay	45 minutes