


# UNIT ASSESSMENT CERTIFICATE

Issued by a competent body in explosion safety

## ARTIDOR 20ATEX9999

- 1.
- 2.
3. We, ARTIDOR Explosion Safety B.V., Emopad 38, 5663 PB Geldrop, The Netherlands, herewith declare that:
4. Apparatus: Explosion-safe Timer relay  
Type: AR-023  
Supply: 230 V AC  
Output: 230 V AC, 4 A max. (2x)  
Quantity: 1 piece  
Lot No.: AS209999
5. has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to directive 2014/34/EU.
6. Compliance with the Essential Health and Safety Requirements for group II, category 3GD equipment has been assured by compliance with the following harmonized standards:
  - EN 60079-0:2018
  - EN 60079-7:2015 / A1:2018
  - EN 60079-18:2015 / A1:2017
  - EN 60079-31:2014
7. The design and the results of the examination and tests carried out are documented in confidential technical construction file No. AS209999, held at the offices of Artidor Explosion Safety B.V.
8. If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to the special conditions for safe use as described in this declaration.
9. The marking of the equipment includes the following:  
 II 3 G Ex ec mc IIC T6 Gc  
II 3 D Ex tc IIIC T80°C Dc
10. This certificate only relates to the examination and tests according to directive 2014/34/EU and to the equipment of the above mentioned type, lot number and Ex code.
11. Production is controlled by the ARTIDOR Quality Assurance system in accordance with ISO 9001:2015 and annex VIII of directive 2014/34/EU.

12. This certificate does not imply that the apparatus meets all statutory requirements in any particular industry or circumstance.
13. The ambient temperature allowed is -20 °C to +60 °C.
14. The AR-023 Timer relay is a time delay relay that can be used to switch on apparatus for a pre-set time period. It consists of a fibre reinforced housing with a surface resistance  $< 10^9 \Omega$ . The start button is connected internally to an intrinsically safe circuit. After pushing the button the relay is switched on and both output terminals are powered during a pre-set time period. Furthermore, there is a terminal present for looping through the mains. The housing is provided with an Ex e cable glands.

The AR-023 can be set at time interval set points varying from 10 seconds to 30 minutes.

Geldrop, 1 April 2020

M. Moolenaar  
Managing Director and EX Authorized Person