


UNIT ASSESSMENT CERTIFICATE

Issued by a competent body in explosion safety

ARTIDOR 22ATEX9999

- 1.
- 2.
3. We, Artidor Explosion Safety B.V., Emopad 38, 5663 PB Geldrop, The Netherlands, herewith declare that:
4. Apparatus: Explosion-safe door magnet
Type: AR-030/001
Supply: 24 V AC/DC
Power: 1,5 Watt
Quantity: 1 piece
Lot No.: AS229999
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 60079-11:2012
 - EN 60079-18:2015 / A1:2017
7. The design and the results of the examination and tests carried out are documented in confidential technical construction file No. AS229999, 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 specific conditions for use as described in this declaration.
9. The marking of the equipment includes the following:
 **II 3 G Ex ic mc IIC T6 Gc**
II 3 D Ex ic mc 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 -25 °C to +50 °C.

14. Description

The AR-030 door magnet consists of a plastic housing which contains the electronics, a molded electromagnetic head and a metal tube to support the head. The electromagnetic head can be mounted in axial or in radial direction. In normal operation, the electromagnetic head will be energized to hold the door. The housing is provided with a vandal resistant release button to de-activate the magnet and to release the door in case it needs to be closed.

The electronic circuits to the release button and magnet head are intrinsically safe and the protection method against ignition applied to the electronics printed circuit board is molding (Ex mc). The polyurethane also provides additional protection against salt and moisture. The door magnet is provided with a factory sealed cable.

Geldrop, 1 December 2022

M. Moolenaar
Managing Director and EX Authorized Person