

(1) **EU-Type-Examination Certificate**

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



- (3) **Certificate Number** TÜV CY 22 ATEX 0206623 X
- (4) for the equipment: Low Power Solenoid IS Coil FLP-WP JB
Type: MP-GA-IS-02
- (5) of the manufacturer: **Micro Pneumatics Pvt. Ltd.**
- (6) Address: Plot No. 133-134, Vasai Municipal Industrial Area, Umela Phata Rd - Industry Rd, Papdi, Vasai West, Vasai-Virar, Maharashtra 401207, India

Order number: 0206623

Date of issue: 2022-04-04

- (7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.
- (8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 9 of the Council Directive 2014/34/EU of February 26, 2014, certifies that this equipment or protective system 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 the Directive. The examination and test results are recorded in the confidential report No. 22 0206623.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 **EN 60079-11:2012**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-type-examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.
- (12) The marking of the equipment or protective system must include the following:

 **II 2 G Ex ib IIC T4 Gb (-10 °C ≤ Ta ≤ +60 °C)**

TÜV CYPRUS Ltd (TUV NORD Group),

The head of the notified body,

D. Demosthenous



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This certificate may only be reproduced without any change, schedule included.
Excerpts or changes shall be allowed by the TÜV CYPRUS Ltd

(13) **SCHEDULE**

(14) **EU-Type-Examination Certificate No. TÜV CY 22 ATEX 0206623 X**

(15) Description of equipment

The Micropneumatics Type MP-GA-IS-02 is an ON-OFF solenoid valve which is intrinsic safe with level of protection "ib" used with ON-OFF function pneumatic actuators. This valve consists of a Coil wound on a spool and bridge-connected diodes as safety shunt and polarity reversal protection.

This coil along with PCB is completely encapsulated with epoxy material and entire arrangement is housed in metal enclosure with as embedded screw terminals where cable entry is provided through ½ NPT Cable Gland. The entire enclosure of the equipment is IP67 Grade as per EN IEC 60529.

The metal housing is provided with internal and external earth connection.

Thus this valve should be powered through certified barrier and cable Type A or B must be used for safety connection and use in explosive atmosphere.

Technical data:

Power Supply:

Rated Voltage: 24 VDC

Rated Current: 24 mA

Rated Power: 0.6W

Electrical Parameter:

Ui = 26 VDC

Ii = 32 mA

Pi = 1 W

Li=0

Ci= 0

Allowable ambient temperature range:

Ambient temperatures: -10 °C to +60 °C

Warning labels:

WARNING – DO NOT OPEN IN EXPLOSIVE ATMOSPHERE

(16) Test documents are listed in the test report No. 22 0206623

(17) Special conditions for safe use:

1. This coil should be only used with certified safety barrier, which shall be placed in safe area or shall be protected by type of protection listed in EN 60079-0 and suitable for EPL.

2. Suitable Cable Type A or B in accordance to EN 60079-11 should be used for the connection.

(18) Essential Health and Safety Requirements

This certificate covers the Essential Health and Safety Requirements related to the Directive 2014/34/EU and assured by the conformity with harmonized standards listed under item 9.