

(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 0206628 X

(4) for the equipment: Flameproof cum weatherproof Solenoid Coil
Model: SJB-2

(5) of the manufacturer: **Micro Pneumatics Pvt. Ltd.**

(6) Address: Plot 133 – 134 | Vasai Municipal Industrial Area, Umela Phata Papdy, Vasai (W), Dist: Palghar, Maharashtra 401207, India.

Order number: 0206628

Date of issue: 2022-06-07

- (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 17 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 0206628.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 **EN 60079-1:2014**
- (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 db IIC T6 Gb
IP67

TÜV CYPRUS Ltd (TUV NORD Group),

The head of the notified body,
D. Demosthenous

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Excerpts or changes shall be allowed by the TÜV CYPRUS Ltd

CY-QF-IND-ATEX-01)-11_Rev02_02.03.2016

(13) SCHEDULE

(14) EU-Type-Examination Certificate No. TÜV CY 22 ATEX 0206628 X

(15) Description of equipment

Micro Pneumatics solenoid coil type SJB-2 is an electric coil wrapped around a ferromagnetic core that acts as an electromagnet when the current is passed through it. When the electric current is passed through the coil, an electromagnetic field is created. This electromagnetic field causes the plunger to move up or down. This mechanism is used by solenoid valves to open or close the valve. The equipment is suitable for use gas group IIC, EPL Gb with type of protection Ex d. The enclosure meets IP 67 according to the requirements of IEC 60529. The gasket material used in the enclosure is Neoprene.

Type code: SJB-2

Ambient temperature range: -20°C to +40°C

Technical data:

Electrical ratings: 24-230VAC (8W Max) or 24VDC (8W Max)

Warning labels:

WARNING: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT

WARNING: DO NOT OPEN WHEN ENERGIZED

WARNING: SEE INSTRUCTION MANUAL

(16) Test documents are listed in the test report No. 22 0206628

(17) Special conditions for safe use

1. The property class of socket head screws (4 nos, M6 X 1 – 20mm long) used for securing body and cover of the enclosure shall be of property class A2-70.
2. The flamepaths are specified in the manufacturer documentation. The flameproof joints must not be repaired without consulting the manufacturer.
3. The enclosure must be mounted and installed as per the instructions provided in user manual Manual 2 Rev. 00.
4. Cable glands and blanking plugs to be used with the enclosure shall be ATEX separately Ex d certified and suitable for the EPL Gb.

(18) Essential Health and Safety Requirements

This certificate covers the Essential Health and Safety Requirements related to the Directive 2014/34/EU.