Supplement Nr:01

(1) EU-Type Examination Certificate

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: **IEP 22 ATEX 1077X**

(4) Product: **B and BT Type Solenoid valve coils**

(5) Firm Name: **FAY MEKANİK MAKİNE SAN. TİC. LTD. ŞTİ**

(6) Firm Address: **Fetih Mah. Düzgün Sokak No:1/2 İç Kapı No:1 Ataşehir 34704 İstanbul / TÜRKİYE**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-2236-1 date 19.10.2026.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN IEC 60079-0 : 2018 , EN 60079-18 : 2015 , EN 60079-31: 2014

(10) If the sign " X " is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

II 2G Ex mb IIB T4 Gb
II 2D Ex tb IIIB T120 °C Db

Responsible Person:

Nurettin Terzioglu

Head of Certification Body

Supplement 01 Date of Issue: 19.10.2026

(13) Schedule

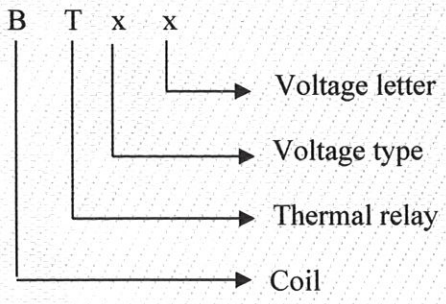
(14) Certificate Nr: **IEP 22 ATEX 1077X**

(15) Description of Equipment;

B and BT Type Solenoid valve coils are used with valves. Enamel wire insulation class 180 degrees. The coil is equipped with cable series HD 21.13.S1/HD.22.4.S4. Solenoid valve coil is a protection class of IP 66. Solenoid valve coil is used as zone 1 and zone 21 that be used danger area determined in the EN 60079-10-1 / 2 standards. If the coil exceeds this temperature value for an unusual reason, the thermal relay prevents the coil from operating. When the coil temperature returns to normal, the coil starts working again.

Technical Parameters: B and BT Type Solenoid valve coils

	B12V	**B24V**	**B220V**	**BT220V**
Voltage	12 V DC	24 V DC	220 V AC	220 V AC
Power	30W ~ 36W	20W ~ 22,8W	50VA ~ 64,6VA	50VA ~ 64,6VA
Ohm	4	23	500	500
Current	2,2 A	0,85 A	0,2 A	0,2 A
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
IP Protection class	IP 66	IP 66	IP 66	IP 66



(IEP 22 ATEX 1077) X Means: Solenoid valve coils are used with by valves. Solenoid valve coils installation must be in accordance with the operating instructions. If the specifications of the capsule mix and parts change, the certificate is invalid.

(16) Essential Health and Safety Requirements:

16.1 Are included in standards, which are mentioned in clause (9) of this certificate. The products were approved in accordance with above mentioned standards and manufacturer's instruction.

16.2 At the installation and the operation of the Solenoid valve coils has to be observed manufacturer's manual 4 pages dated 23.08.2021.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

(17) Certificate Nr: **IEP 22 ATEX 1077X**

(18) Special conditions for safe use:

The installation and the operation of the Solenoid valve coils have to confirm to the relevant national regulations.

(19) List of Documentation:

- User Manual : 4 pages dated 23.08.2021
- Component Lists : 1 page, dated 01.06.2022
- Technical Drawings : 11 drawings
- Risk Analysis Reports : 12V coil -dated 11.05.2022
  24V coil - dated 12.05.2022
  220V coil- dated 12.05.2022
  220V coil with thermostat- dated 12.05.2022
- Drawings;

Drawings No	Date
B12V-03	12.02.2018
B24V-03	12.02.2018
B220V-01	12.02.2018
Coil hair-03	17.11.2021
Coil product tree-01	12.02.2018
BT220V-04	12.02.2018
Fill area-01	12.02.2018
Pulley-02	17.11.2021
SLFM S 25-501-01	12.02.2018
Thermostat-05	12.02.2018
Thermostat coil product tree-02	12.02.2018

Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
01	19.10.2026	Adress Change
00	27.06.2022	First issue of certificate

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body

Supplement 01 Date of Issue: 19.10.2026

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