

(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 18 ATEX 0572X**

(4) Product: **Solenoid valve coil , Type FLP 3666**

(5) Firm Name: **AIRA EURO AUTOMATION PVT LTD**

(6) Firm Address (HQ) : **Plot No 123-124, Aira Estate, Behind Security Estate, Near Kashiram Textile Mill, Narol, Ahmedabad – 382405 (GUJARAT) INDIA**

(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.10-1232 date 13.02.2018.


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

EN 60079-0 : 2013 , EN 60079-18 : 2015 ; EN 60079-1 : 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 db mb IIC T5 Gb**

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Date of Issue : 28.03.2018





IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate Nr: **IEP 18 ATEX 0572X**

(15) Description of Equipment;

FLP 3666 Type solenoid valve coil are used with by valves. The solenoid enclosure constructed in Aluminum cast alloy LM2. Enamel wire insulation class 180 degrees. The coil is equipped with cable series HD 21.13.S1/HD.22.4.S4. Solenoid valve coil, Type FLP 3666 is protection class of IP 67. Solenoid valve coil, Type FLP 3666 is use as zone 1 and zone 21 that be used danger area determined in the EN 60079-10-1 / 2 standard. FLP 3666 model ATEX coil have a 90-degree thermal relay. 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: FLP 3666 Type solenoid valve coil

| | |
|---------------------|---|
| Voltage | : 230V, 110V AC , 24V AC ; 24V DC, 12V DC |
| Power | : 8 W |
| IP XY protection | : IP 67 connection with cable |
| Ambient Temperature | : -20 °C to 40 °C |
| Thermal relay value | : 90 °C |
| Cable thickness | : 3 x 0,75 mm ² (Min) |

X: FLP 3666 type solenoid valve coil is used with by valves.

FLP 3666 model ATEX coil have a 90-degree thermal relay.

FLP 3666 type solenoid valve coil installation must be in accordance with the operating instructions.

(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 FLP 3666 Type solenoid valve coil has to be observed manufacturer's manual 4 pages dated 01.2018.

(17) Special conditions for safe use

The installation and the operation of the FLP 3666 Type solenoid valve coil has to confirm to the relevant national regulations.

(18) List of Documentation:

- ♦ User Manual : 4 pages, dated 01.01.2018
- ♦ Component Lists : Part FLP-3666-00-51-R0, dated 10.10.2015
- ♦ Drawings;

| Drawing Nr | Date |
|-------------------|------------|
| FLP-3666-00-51-R0 | 10.10.2015 |
| FLP-3666-GA-01 | 18.11.2015 |
| FLP-3666-00-50-R0 | 10.10.2015 |

For the validity of analysis type certificate, the parts that are used in solenoid valve coil are confirmed in the part list FLP-3666-00-51-R0, date 10.10.2015.

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body

Date of Issue : 28.03.2018

