

(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 0565X**

(4) Product: **Solenoid valve coil , Type C-46**

(5) Firm Name: **SMS Sanayi Malzemeleri Üretim ve Satışı A.Ş.**

(6) Firm Address (HQ) : **Bostancı Yolu Kuru Sokak No: 16/2 Y.Dudullu Ümraniye İstanbul – TURKEY**
Address (FAC.) : **Çerkeşli OSB Mah. İMES 5. Cadde No:6 Dilovası İMES OSB/Kocaeli – TURKEY**

(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.10-1220 date 15.01.2018.

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

EN 60079-0 : 2013 , EN 60079-18 : 2015 ; EN 60079-31 : 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 IIC T4 Gb
II 2D Ex t IIIC T120 °C Db

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Date of Issue : 01.02.2018





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(17) Certificate Nr: **IEP 18 ATEX 0565X**

(18) Special conditions for safe use

The installation and the operation of the C-46 Type solenoid valve coil has to confirm to the relevant national regulations.

(19) List of Documentation:

- ♦ User Manual : 22 pages, dated 09.2017
- ♦ Component Lists : Part 2.1.2, dated 10.07.2017
- ♦ Mounting Pictures and Technical Drawings : Part 2.2 9 drawings
- ♦ Certificates and Test Reports : Part 3 – 4
- ♦ Drawings;

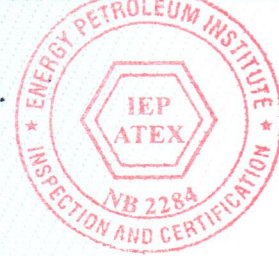
Drawing Nr	Date
C46-00	08.08.2017
GVD36PLATX001-00	08.08.2017
KLMYBOBSAG-V2-00	20.07.2015
KLMYBOBSOL-V2-00	20.07.2015
KPK36PLATX001-00	08.08.2017
KRTTERMIK-00	09.08.2017
MKR36BOBIN002V2-00	20.07.2015
TOPRAKBOBKAP-V2-00	30.10.2014
USACBOBYS-V2-00	30.10.2014

For the validity of analysis type certificate, the parts that are used in electrical actuator are confirmed in the part list 2.1.2 date 10.07.2017.

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body

Date of Issue : 01.02.2018





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(13) Schedule

(14) Certificate Nr: **IEP 18 ATEX 0565X**

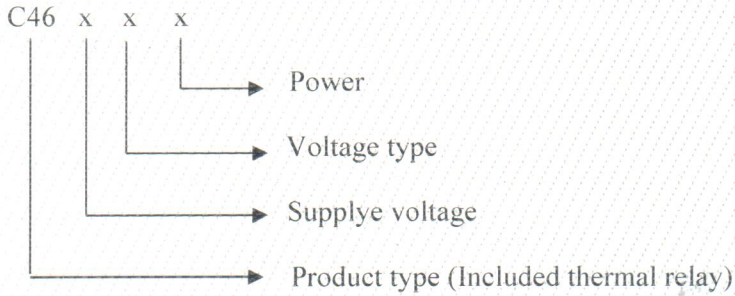
(15) Description of Equipment;

C-46 Type solenoid valve coil are used with by 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, Type C-46 is protection class of IP 67. Solenoid valve coil, Type C-46 is use as zone 1 and zone 21 that be used danger area determined in the EN 60079-10-1 / 2 standard. C46 model ATEX coil have a 120 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: C-46 Type solenoid valve coil

Voltage / Power	: (12, 24, 48, 110) VAC / 15 VA (Max) ; 230 VAC / 24 VA(Max)
Voltage / Power /DC)	: (12, 24, 48, 110) VDC / 18 W (Max)
IP XY protection	: IP 67 connection with cable
Ambient Temperature	: -10 °C ~ +60 °C
Thermal relay value	: 120 °C
Cable thickness	: 3 x 0,75 mm ² (Min)

Code System : Solenoid valve coil , Type C-46



X: C-46 type solenoid valve coil are used with by valves.

C46 model ATEX coil have a 120-degree thermal relay.

C-46 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 C-46 Type solenoid valve coil has to be observed manufacturer's manual 22 pages dated 09.2017.

Responsible Person :

Nurettin Terzioglu
Head of Certification Body



IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi

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