

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 15 ATEX 0351X

(4) Product: Solenoid Valve Coil , Type C-43

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

(6) Firm Address: Bostancı Yolu Kuru Sokak No: 16 Y.Dudullu, Ümraniye - İstanbul / TÜRKİYE
Factory Address: Çerkeşli OSB Mahallesi İmes-2 Cad. B Blok No:5 Dilovası - Kocaeli / 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.10-803-1 date 14.01.2025.

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

EN IEC 60079-0 : 2018, EN 60079-1 : 2014, 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 db IIC T4 Gb
II 2D Ex tb IIIC T135°C Db


Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Supplement 01 Date of Issue : 20.01.2025





(13) Schedule

(14) Certificate Nr: **IEP 15 ATEX 0351X**

(15) Description of Equipment;

Solenoid valve is electromechanical device used in fluid controls. In short it converts the electrical energy to the mechanical energy. That conversion is made by a magnetic circuit. That magnetic circuit is the solenoid coil.

Solenoid valve coil , Type C-43 are used with by valves. Enamel wire insulation class 180 degrees.

Solenoid valve coil , Type C-43 is equipped with cable series HD 21.13.S1/HD.22.4.S4 .

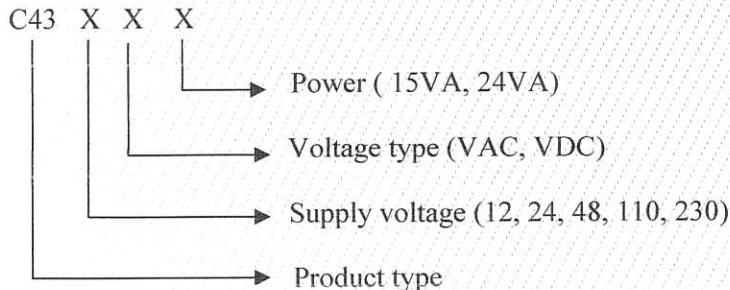
Solenoid valve coil , Type C-43 is protection class of IP 67.

Solenoid valve coil , Type C-43 is use as zone 1/2 and zone 21/22 that be used danger area determined in the EN 60079-10-1 and 2 standard.

Technical Specifications :

Products Types	: Solenoid Valve Coil , Type C-43
Voltage / Power (AC)	: (12, 24, 48, 110) VAC / 15 VA (Max) ; 230 VAC / 24 VA(Max)
Voltage / Power (DC)	: (12, 24, 48, 110) VDC / 18 W (Max)
Temperature Class	: AC and DC ; T4 Max
IP Protection Degree	: IP 67 connection with cable
Ambient Temperature (°C)	: - 10 °C ; + 60 °C
Cable Thickness	: 3 x 1 mm ² (min)

Product Code System :



Responsible Person :

Nurettin Terzioglu
Head of Certification Body





(16) Certificate Nr: IEP 15 ATEX 0351X

(17) Essential Health and Safety Requirements:

17.1 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.

17.2 At the installation and the operation of the solenoid valve coil, Type C-43 has to be observed manufacturer's manual 25 pages dated 07.2024.

(18) Special conditions for safe use

The installation and the operation of the solenoid valve coil, Type C-43 has to confirm to the relevant national regulations.

(19) List of Documentation:

- ◆ Solenoid valve coil , Type C-43 user manual [25 pages, dated July.2024]
- ◆ Part 2.1.2 : Component Lists [2 pages, technical file page 6,7 table 1-2 dated 07.2024]
- ◆ Part 2.2 : Mounting Pictures and Technical Drawings [23 pages]
- ◆ Part 3 : Certificates and Test Reports [32 pages]
- ◆ Drawings;

Drawing Nr;	Drawing Name;	Date;
C43230VAC15VA	Exploded Picture	24.06.2015
KLMYOBSAG-V2	Coil Terminal - Right	15.06.2015
KLMYOBSOL-V2	Coil Terminal - Left	15.06.2015
USACBOBYS-V2	U Sheet	30.10.2014
TOPRAKBOBKAP-V2	Ground Terminal	30.10.2014
MKR36BOBIN001-V2	Coil	15.06.2015
KPK16USTSBATX001-10	Top Cover	24.06.2015
KPK16ALTSBATX001-10	Bottom Cover	24.06.2015
GVD16SBATX001-10	Body	24.06.2015
DVRSBC43ATX001	Circuit Board - PCB	24.06.2015
SAC58ATEX	Plate	20.06.2013
C430-110VAC-15VA	Label	29.11.2024

For the validity of analysis type certificate, the parts that are used in solenoid valve coil, Type C-43 are confirmed in the exploded picture table C43 and date 07.2024.

Certificate History:

Supplement Nr	Supplement Date	Summary Description of Variation
01	20.01.2025	Address Change Standard Revision (EN IEC 60079-0 : 2018, EN 60079-1 : 2014, EN 60079-31 : 2014)
00	25.12.2015	First issue of certificate

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



Supplement 01 Date of Issue : 20.01.2025



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