

**Supplement Nr: 01**  
**EU-Type Examination Certificate**

(1)

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres****Directive 2014/34/EU**(3) EU – Type Examination Certificate Number: **IEP 18ATEX 0564X**(4) Product: **TREA Type Electrical Actuator**(5) Firm Name: **SMS Sanayi Malzemeleri Üretim ve Satışı A.Ş.**(6) Firm Address: **Bostancı Yolu Kuru Sokak No: 16 Y.Dudullu, Ümraniye, İstanbul - Türkiye**  
Factory Address: **Çerkeşli OSB Mahallesi İmes-2 Cad. B Blok No:5 Dilovası, Kocaeli - Türkiye**

(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.10-1219.1 date 20.02.2025.

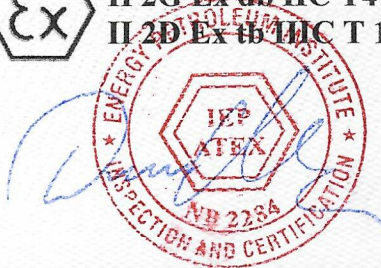
(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

**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 IIC T 120 °C Db****Responsible Person:**Nurettin Terzioğlu  
Head of Certification Body**Supplement 01 Date of Issue : 26.02.2025**



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## (13) Schedule

## (14) Certificate Nr: IEP 18 ATEX 0564X

## (15) Description of Equipment;

Electrical actuators are equipment converting electrical power to mechanical power used for valve control. Electric motor's torque is transmitted to valve shaft through the electrical actuator gearbox. This torque makes the valve open or close. Gearbox provides a steady torque while turning. The purpose of an electrical actuator is opening or closing the valve. This opening or closing can be full open/close or proportional open/close. This can be changed according to process application. Electrical actuators can be used on ball valve, butterfly valve, globe valve or gate valve and other proper valve types.

The terminal compartment is equipped with explosion-proof cable gland d type. Electrical actuator is equipped with cable to use of external grounding cable 4 mm<sup>2</sup> (min) and HD 21.13.S1/HD.22.4.S4.

Electrical actuators have been evaluated in the contents of IP 67

IP protection degree and explosion test report number is TSE/381178/12-17.

Electromagnetic compatibility test report number is ESIM/EMC/2016262, dated 09.06.2017.

Low voltage directive test report number is ESIM/LVD/2016262, dated 20.06.2017.

### Technical Parameters: TREA type electrical actuator

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| IP Protection Degree | : IP 67                                                   |
| Ambient Temperature  | : -20 °C ~ +60 °C                                         |
| Power Source         | : 85 ~ 265 VAC , 24 VDC                                   |
| Control Signal       | : 4 ~ 20 mA, 2 ~ 10 VDC, 1 ~ 5 VDC, 0 ~ 10 VDC, 0 ~ 5 VDC |
| Output Signal        | : 4 ~ 20 mA, 2 ~ 10 VDC, 1 ~ 5 VDC                        |
| Motor                | : 24 VDC Brushed motor, 230 VAC Reversible motor          |
| Inner Heater         | : 5 W                                                     |
| Cable Entrances      | : M20 x 1,5                                               |

## (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 TREA type electrical actuator has to be observed manufacturer's manual 29 pages dated 09.2017. New version manual 32 pages dated May 2024.

## 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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(17) Certificate Nr: **IEP 18 ATEX 0564X**

(18) Special conditions for safe use: The installation and the operation of the TREA type electrical actuator has to confirm to the relevant national regulations.

(19) List of Documentation:

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| User Manual                              | : 29 pages, dated 09.2017. New dated 32 Pages / May 2024 |
| Component Lists                          | : Part 2.1.2, dated 10.07.2017                           |
| Mounting Pictures and Technical Drawings | : Part 2.2 46 drawings                                   |
| Certificates and Test Reports            | : Part 3 – 4                                             |
| Drawings                                 | ;                                                        |

| Drawing Nr;             | Date;      | Drawing Nr;            | Date;      |
|-------------------------|------------|------------------------|------------|
| TREA00XXXX03XXXX        | 21.01.2016 | PLS37EAGBORT0080-00    | 18.04.2017 |
| GVD16EAATX0080-01-00    | 13.01.2016 | PLS37EAGBALT0080-01-00 | 18.04.2017 |
| KPK16EAATXALT0080-01-00 | 02.10.2014 | MIL99EA0080VB-00       | 28.02.2017 |
| KPK16EAATXON0080-01-00  | 04.08.2016 | MIL05EA0080TB-00       | 20.05.2016 |
| KPK16EAATXUST0080-01-00 | 19.04.2017 | MIL05EA0080KB-00       | 20.06.2016 |
| SMD36EA0080-01-00       | 15.02.2016 | MIL05EA0080GF-00       | 15.08.2016 |
| SAC58EA008025X2-01-00   | 15.02.2016 | MIL05EA0080GB-00       | 20.05.2016 |
| SAC58EA008010X2-00      | 15.02.2016 | FLS02EA0080-00         | 15.02.2016 |
| PLS37EA0080-04-00       | 19.08.2016 | CVT06IM0M8X30-01-00    | 21.01.2016 |
| PLS37EA0080-03-00       | 15.02.2016 | BOR070006X001-01-00    | 15.02.2016 |
| PLS37EA0080-02-00       | 11.04.2017 | DD98EAMILPOT0080-00-00 | 14.03.2016 |
| PLS37EA0080-01-00       | 11.04.2017 | DD98EAPOT0080-00-00    | 14.03.2016 |
| KVR06EAVB0080-01-00     | 15.02.2016 | HD68EAMT0080-00-00     | 09.03.2016 |
| KVR06EAVB0080-00-00     | 15.02.2016 | HD98EAVN0080-00-00     | 09.03.2016 |
| KVR06EATM0080-01-00     | 15.02.2016 | MIL99EAMT0080-00-00    | 09.03.2016 |
| KVR06EATM0080-00-00     | 15.02.2016 | MIL99EAVN0080-00-00    | 09.03.2016 |
| KVR06EAMH0080-01-00     | 11.07.2016 | YAY04EADUZ0W6-00       | 21.01.2016 |
| KVR06EAMH0080-00-00     | 15.02.2016 | YAY04EADUZ1W2-00       | 21.01.2016 |
| DELEA38MILPOT080-00     | 15.02.2016 | DEL38MILSEG143-00      | 09.04.2015 |
| DELEA38MILKAM080-00     | 15.02.2016 | DEL38MILSEG032-00      | 21.09.2012 |
| DELEA38MILALT080-00     | 15.02.2016 | TREA-60-80             | 01.04.2016 |
| PLS37EAGBUST0080-00     | 18.04.2017 | TREA-60-80             | 01.05.2016 |

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.

## Certificate History:

| Supplement Nr | Supplement Date | Summary Description of Variation                                                              |
|---------------|-----------------|-----------------------------------------------------------------------------------------------|
| 01            | 26.02.2025      | Address Change, Standard Revision (EN IEC 60079-0:2018)<br>Add to EN 60079-31: 2014 standard. |
| 00            | 01.02.2018      | First issue of certificate                                                                    |

## Responsible Person:

Nurettin Terzioğlu  
Head of Certification Body



Supplement 01 Date of Issue : 26.02.2025



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