

Supplement Nr: 03

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 16 ATEX 0436 X**

(4) Product: **Spiral Type Cable Gland, STex Series**

(5) Firm Name: **Ortaçlar Elektrik Sanayi ve Ticaret Limited Şirketi**

(6) Firm Address: **Hadımköy Mah. İbni Sina Cad. No:9 Arnavutköy / İSTANBUL - TURKEY**

(7) This product any of acceptable variation there to 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.10-991-3 date 17.06.2022.

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

EN IEC 60079-0:2018 , EN 60079-1:2014 , EN 60079-7:2015, 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:



I M2 Ex db I Mb / I M2 Ex eb I Mb
II 2G Ex db IIC Gb / II 2G Ex eb II Gb
II 2D Ex tb IIC Db

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body

Supplement 03 Date of Issue : 21.06.2022





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(13) Schedule

(14) Certificate Nr : IEP 16 ATEX 0436 X

(15) Technical Details: Spiral Type Cable Gland, STex Series

Entry Thread	GL mm	Spiral Diameter	Cable outer sheath Ø mm	
			Min.	Max.
M 12x1,5	15	6,8	3,0	6,5
M 16x1,5	15	8,2	4,0	8,0
M 20x1,5	15	12,3	6,0	12,0
M 25x1,5	15	14,3	10,0	14,0
M 32x1,5	15	18,4	13,0	18,0
G 1/4 "	15	6,8	3,0	6,5
G 3/8 "	15	8,2	4,0	8,0
G 3/8 "	15	10,3	5,0	10,0
G 1/2 "	15	12,3	6,0	12,0
G 3/4 "	15	14,3	10,0	14,0
G 1 "	15	18,4	13,0	18,0
PG 7	15	6,8	3,0	6,5
PG 9	15	8,2	4,0	8,0
PG 11	15	10,3	5,0	10,0
PG 13,5	10	12,3	6,0	12,0
PG 13,5	15	12,3	6,0	12,0
PG 16	15	14,3	10,0	14,0
PG 21	15	18,4	13,0	18,0
NPT 1/4 "	15	6,8	3,0	6,5
NPT 3/8 "	15	8,2	4,0	8,0
NPT 1/2 "	15	10,3	5,0	10,0
NPT 1/2 "	15	12,3	6,0	12,0
NPT 3/4 "	15	14,3	10,0	14,0
NPT 1 "	15	18,4	13,0	18,0

SPECIAL CONDITIONS FOR SAFE USE (X): The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting. The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection of the exproof equipment. The parts should be applied as per user manual guide. The control must be done by the ATEX trained staff periodically according to the EN 60079-17. There is assembly instruction on the User Manuel Guide.

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body



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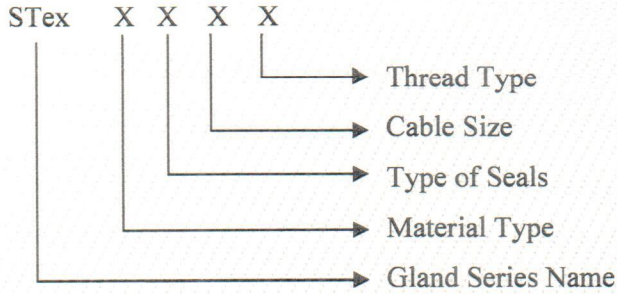
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(16) Certificate Nr : IEP 16 ATEX 0436 X

(17) Product Code System : IEP 16 ATEX 0436 X



(18) Description of Equipment:

STex Series Spiral Type Cable Gland made from according to brass, brass with nickel plated, stainless steel and aluminum. The ranges of cable glands are metallic and intended to terminate circular unarmored and braided cables (as defined type designations) into a threaded entry point within associated flameproof, increased safety or dust tight enclosures (as defined by their coding). Cable sealing ring is made from TPE-V, NBR and Neoprene. Clamping ring is made from PA6 V0. STex Series Spiral Type Cable Gland range of cable glands are intended to terminate tape cables into enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice. They consist of a male-threaded front entry component, a front seal, a main body component, a rear seal, an actuating nut and a rear running coupling. The front entry component is intended to screw into an entry point of its associated enclosure. The seals are compressed onto the cable when the body component and actuating nut are tightened. Continuity diaphragm and skid washer is fitted behind the front seal. STex Series Spiral Type Cable Gland has been evaluating in the contents of IP 66/68 with by cable.

Materials of Manufacture:

Brass to EN12168:1998 Grade CuZn39Pb (CW614N)

Brass with Nickel Plated to DIN 40430

Stainless steel to EN 10088-3:2005 Grade 316S11, 316S13, 316S31 or 316S33

Aluminum alloy not inferior to grade 6082 to EN755,1-3:1996 or LM25 to EN 1676:2010 (N/A Group I)

Temperature of isolation:

TPE-V Sealing ring : (-40 ; + 130) °C

NBR Sealing ring : (-40 ; + 130) °C

Neoprene Sealing ring : (-40 ; + 100) °C

Silicon Clamping ring : (-60 ; + 200) °C

(19) List of Documentation: STex series spiral type cable gland operating manual date 29.06.2016. [4 pages]

(20) STex series spiral type cable gland are indicated in the piece list Table 1 and date 29.06.2016. This certificate is in the contents of standards that mentioned in item (9) It has been accepted that STex series spiral type cable gland are manufactured according to the producer instructions and the standards mentioned above.

Responsible Person :

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Head of Certification Body



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(21) Certificate Nr : IEP 16 ATEX 0436 X

(22) Drawings:

Drawing Nr;	Drawing Name;	Date;
SWC-01	Metal Screw Cap Tipped Spiral Spring	07.06.2016
SWC-02	Top Plastic Dimension Chart	24.12.2012
SWC-03	Spiral-Ended Metal Fittings Size Chart	16.06.2016
SWC-04	Spiral-Ended Metal Screw Spring Table	06.06.2016
SWC-05	Standard Sealing Dimensions Chart	01.03.2013
SWC-06	Capped Seal	30.10.2014

Certificate History:

Supplement Nr	Issue Date	Summary Description of Variation
03	21.06.2022	· Upgrade to standard EN IEC 60079-0:2018
02	20.03.2018	· Update to new edition of EN 60079-7:2015 · Change of address
01	25.09.2017	· Update to new edition of EN 60079-0:2013, EN 60079-1:2014, EN 60079-31:2014 · New size with threads PG 13,5 (GL: 10 mm)
00	23.09.2016	First issue of certificate

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body



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