

Supplement Nr: 02

(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 0355 X**

(4) Product: **Spiral Pipe Cable Glands, ExMLSR Type**

(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 and 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.10-808-3 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.

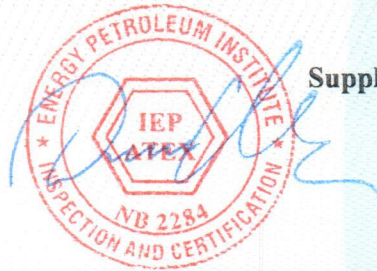
(12) The marking of the equipment or protective system shall include the following:



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 1D Ex ta IIIC Da

Responsible Person:

Nurettin Terzioglu
Head of Certification Body



Supplement 02 Date of Issue: 21.06.2022





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(13) Schedule

(14) Certificate Nr: IEP 15 ATEX 0355 X

(15) Technical Details: Spiral pipe cable glands, ExMLSR type

Cable Gland Size	Entry Thread	Cable outer sheath Ø mm	
		Min.	Max.
7	PG7	3	6,5
9	PG9	4	8
11	PG11	5	10
13,5	PG13,5	6	12
16	PG16	10	14
21	PG21	13	18
29	PG29	18	25
36	PG36	22	32
42	PG42	30	38
48	PG48	34	44
12	M12x1,5	3	6,5
16	M16x1,5	4	8
16	M16x1,5	5	10
20	M20x1,5	6	12
25	M25x1,5	10	14
32	M32x1,5	13	18
40	M40x1,5	18	25
50	M50x1,5	22	32
63	M63x1,5	34	44

Cable Gland Size	Entry Thread	Cable outer sheath Ø mm	
		Min.	Max.
1/4"	G 1/4"	3	6,5
3/8"	G 3/8"	4	8
3/8"	G 3/8"	5	10
1/2"	G 1/2"	6	12
3/4"	G 3/4"	10	14
1"	G 1"	13	18
1 1/4"	G 1 1/4"	18	25
1 1/2"	G 1 1/2"	22	32
2"	G 2"	34	44
1/4"	1/4" NPT	3	6,5
3/8"	3/8" NPT	4	8
3/8"	3/8" NPT	5	10
1/2"	1/2" NPT	6	12
3/4"	3/4" NPT	10	14
1"	1" NPT	13	18
1 1/4"	1 1/4" NPT	18	25
1 1/2"	1 1/2" NPT	22	32
2"	2" NPT	34	44

Temperature of Isolation :

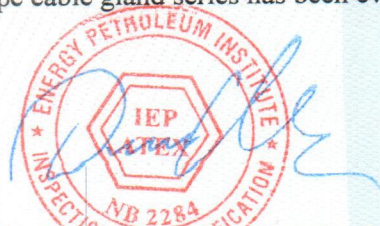
NBR sealing ring : - 30 ; + 120 °C
Neoprene sealing ring : - 40 ; + 100 °C
Silicon sealing ring : - 60 ; + 180 °C

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.

(16) Description of Equipment: Spiral pipe cable gland series Type ExMLSR made from according to brass. The ranges of cable glands are metallic and intended to terminate circular 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, rubber washer is made from silicone rubber. Clamping ring is made from PA6 V0. The range of Spiral pipe cable gland series has been evaluated in the contents of IP 66/68.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body



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(17) Certificate Nr: **IEP 15 ATEX 0355 X**

(18) List of Documentation:

- ◆ Spiral pipe cable gland series user manual [5 pages, dated 28.08.2015]
- ◆ Part 3 : Mounting Pictures and Technical Drawings [7 pages]
- ◆ Part 5 : Certificates and Test Reports [12 pages]
- ◆ Drawings;

Drawing Nr	Drawing Name	Date
Ex-601	PG Threaded Metal Housing	27.08.2015
Ex-602	Gas Threaded Metal Housing	27.08.2015
Ex-603	Metric Threaded Metal Housing	27.08.2015
Ex-604	NPT Threaded Metal Housing	27.08.2015
Ex-605	Cover	19.08.2015
Ex-606	Washer	19.08.2015
Ex-607	Top Plastic	24.12.2012
Ex-608	Metal Medium Body	20.08.2015
Ex-609	Pipe Ferrule	20.08.2015
Ex-610	Gasket	01.09.2015
Ex-611	O-Ring	01.09.2015

The ranges of spiral pipe cable gland series are indicated in the part list table 1 and date 28.08.2015. This certificate is in the contents of standards that mentioned in item [9] It has been accepted that the ranges of spiral pipe cable gland series are manufactured according to the producer instructions and the standards mentioned above.

Certificate History:

Supplement Nr	Issue Date	Summary Description of Variation
02	21.06.2022	· Upgrade to standard EN IEC 60079-0:2018
01	20.03.2018	· Update to new edition of EN 60079-0:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60097-31:2014 · Upgrade to ATEX directive 2014/34/EU · Change of address
00	21.10.2015	First issue of certificate

Responsible Person:
Nurettin Terzioglu
Head of Certification Body



Supplement 02 Date of Issue: 21.06.2022

