

Supplement No: 2

(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 14 ATEX 0216 X**(4) Product: **Cable Glands DCG 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 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.10-590-2 date 13.03.2018.

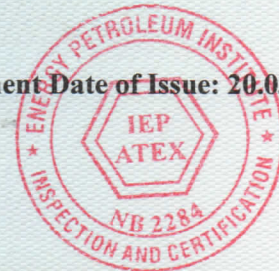
(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 60079-0:2013, 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:

**I M2 Ex db I Mb
II 2G Ex db IIC Gb
II 2D Ex tb IIIC Db****Responsible Person:**Nurettin Terzioglu
Head of Certification Body**Supplement Date of Issue: 20.03.2018**



IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate Nr: **IEP 14 ATEX 0216 X**

(15) Technical Details: DCG series Armour Cable Gland Details, IP 66/68

| Cable Gland Size | Entry Thread | Cable outer sheath Ø mm | |
|------------------|--------------|-------------------------|-------|
| | | Min. | Max. |
| 16 | M16x1,5 | 6,1 | 13,2 |
| 20ss | M20ssx1,5 | 6,1 | 13,2 |
| 20s | M20sx1,5 | 9,5 | 15,9 |
| 20 | M20x1,5 | 12,5 | 20,9 |
| 25s | M25sx1,5 | 14,0 | 22,0 |
| 25 | M25x1,5 | 18,2 | 26,2 |
| 32 | M32x1,5 | 23,7 | 33,9 |
| 40 | M40x1,5 | 27,9 | 40,4 |
| 50s | M50sx1,5 | 35,2 | 46,7 |
| 50 | M50x1,5 | 40,4 | 53,1 |
| 63s | M63sx1,5 | 45,6 | 59,4 |
| 63 | M63x1,5 | 54,6 | 65,9 |
| 75s | M75sx1,5 | 59,0 | 72,1 |
| 75 | M75x1,5 | 66,7 | 78,5 |
| 90 | M90x2,0 | 76,2 | 90,4 |
| 100 | M100x2,0 | 86,1 | 101,5 |
| 115 | M115x2,0 | 101,5 | 110,3 |
| 130 | M130x2,0 | 114,2 | 123,3 |

Temperature of isolation:

NBR sealing ring : (-30 ; + 120) °C

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

Silicon sealing ring : (-60 ; + 180) °C

(16) Description of Equipment

Cable Gland Series Type DCG made from according to brass, stainless steel and aluminum. The ranges of cable glands are metallic and intended to terminate circular armored 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. Climbing ring is made from PA V0.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body



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

5746/1 Sk. No:9 K:2 Bornova - IZMIR / TURKEY Tel: +90 232 431 1745 - 46 Fax: +90 232 431 1730 E-mail: iep@iep.com.tr Fr: 45

This certificate is granted subject to the general conditions of the IEP Energy Petroleum Institute. This certificate may only be reproduced in its entirety and without any change, schedule included. You can check accuracy of this document by www.iep.com.tr.



IEP ENERGY PETROLEUM INSTITUTE

(17) Certificate Nr: IEP 14 ATEX 0216 X

The DCG type 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. A continuity diaphragm and skid washer is fitted behind the front seal.

Cable Gland series Type DCG has been evaluate in the contents of IP 66/68 with by cable.

Materials of Manufacture:

Brass to EN12168:1998 Grade CuZn39Pb (CW614N)

Mild steel to EN 10088-3:2005 Grade 220M07Pb

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 (Not Group I)

(18) List of documentation;

Cable Gland series Type DCG operating manual date 08.12.2015 [4 pages]

| Drawing Nr ; | Drawing Name ; | Date ; |
|--------------|---------------------------|------------|
| DCG-000 | Exploded picture | 18.12.2013 |
| DCG-000 | Dimensions | 18.12.2013 |
| DCG-518 | Fitting lid | 12.08.2013 |
| DCG-526 | Sealing pressure washer | 01.11.2013 |
| DCG- 528 | Capped pressure washer | 01.11.2013 |
| DCG-514 | Bellows seal | 03.09.2013 |
| DCG- 519 | Back cover part | 20.08.2013 |
| DCG-520 | Internal tapered ferrule | 27.08.2013 |
| DCG-521 | Outer tapered ferrule | 29.08.2013 |
| DCG-530 | NPT outer body | 23.08.2013 |
| DCG-523 | PG outer body part | 23.08.2013 |
| DCG-517 | Gas outer body part | 23.08.2013 |
| DCG-515 | Metric external body part | 23.08.2013 |
| DCG-527 | Washer | 05.11.2013 |

Cable Gland Series Type DCG are indicated in the piece list Table 1 and date 08.12.2015.

This certificate is in the contents of standards that mentioned in item [9] It has been accepted that Cable Gland series Type DCG are manufactured according to the producer instructions and the standards mentioned above.

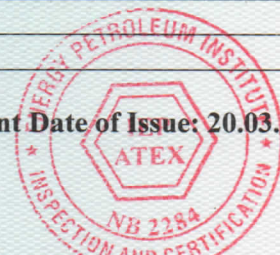
Certificate History:

| Supplement N° | Issue Date | Summary Description of Variation |
|---------------|------------|--|
| 02 | 20.03.2018 | · Update to new edition of EN 60079-0:2013, EN 60079-1:2014, EN 60097-31:2014 · Upgrade to ATEX directive 2014/34/EU · Change of address |
| 01 | 17.02.2016 | New area addition: Mining |
| 00 | 02.06.2014 | First issue of certificate |

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Supplement Date of Issue: 20.03.2018



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

5746/1 Sk. No:9 K:2 Bornova - IZMIR / TURKEY Tel: +90 232 431 1745 - 46 Fax: +90 232 431 1730 E-mail: iep@iep.com.tr Fr: 45

This certificate is granted subject to the general conditions of the IEP Energy Petroleum Institute. This certificate may only be reproduced in its entirety and without any change, schedule included. You can check accuracy of this document by www.iep.com.tr.