

## Supplement Nr: 03

## 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 0215 X

(4) Product: Cable Glands ACG 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.10-589-3 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 60079-31:2014

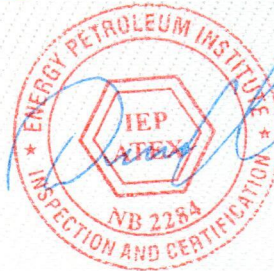
(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(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 03 Date of Issue: 21.06.2022





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(13) Schedule

(14) Certificate Nr: **IEP 14 ATEX 0215 X**

(15) Technical Details: ACG 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	102,0
115	M115x2,0	102,0	110,0
130	M130x2,0	114,0	123,0

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 :

Cable Gland Series Type ACG 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



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(17) Certificate Nr: IEP 14 ATEX 0215 X

(18) Description of Equipment: The ACG 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 ACG 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)

(19) List of documentation: Cable Gland series Type ACG operating manual date 08.12.2015 [ 4 pages ]

Drawing Nr ;	Drawing Name ;	Date ;
ACG-000	Exploded picture	18.12.2013
ACG-000	Dimensions	18.12.2013
ACG-518	Fitting lid	12.08.2013
ACG-526	Sealing pressure washer	01.11.2013
ACG-528	Capped pressure washer	01.11.2013
ACG-514	Bellows seal	03.09.2013
ACG-525	Back cover part	04.10.2013
ACG-520	Internal tapered ferrule	27.08.2013
ACG-521	Outer tapered ferrule	29.08.2013
ACG-530	NPT outer body	21.10.2013
ACG-523	PG outer body part	28.10.2013
ACG-523	Gas outer body part	28.10.2013
ACG-522	Metric external body part	21.10.2013
ACG-527	Washer	05.11.2013

Cable Gland Series Type ACG 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 ACG are manufactured according to the producer instructions and the standards mentioned above.

### 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 60079-0:2013, 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 03 Date of Issue: 21.06.2022



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