



# EU-TYPE EXAMINATION CERTIFICATE

- [1] **Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU**
- [2] EU-type Examination Certificate number:

## IMQ 15 ATEX 006 X

- [4] product: POLYAMIDE CABLE GLANDS FOR CIRCULAR CABLES AND PLUGS  
type/series: CG.P \* \* \* . \* \* PA . \* . \* ; SP.PE. \* \* . PA . \* . \*
- [5] Applicant: **PEPPERL+FUCHS GmbH** - Lilienthalstrasse 200 – 68307 Mannheim (Germany)
- [6] Manufacturer: **PEPPERL+FUCHS GmbH** - Lilienthalstrasse 200 – 68307 Mannheim (Germany)
- [7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.
- [8] IMQ, notified body N° 0051, in accordance with Article 17 of Directive 2014/34/EU of the 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 equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in confidential Report No.:

**AT17-0011316-01**

- [9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, has been assured by compliance with:  
**EN 60079-0:2012+A11:2013; EN 60079-7:2015; EN 60079-31:2014**
- [10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for 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. 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 2GD Ex eb IIC Gb Ex tb IIIC Db IP66/68**

THIS DOCUMENT IS COMPOSED OF 5 PAGES INCLUDING 1 ANNEXES

### IMQ

FIRST ISSUE: 2015-05-19  
CURRENT ISSUE: 2017-10-24

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SGQ N° 005 A	EMAS N° 003 P
SGA N° 006 D	PRD N° 005 B
SGE N° 006 M	PRS N° 080 C
SCR N° 005 F	ISP N° 063 E
SSI N° 003 G	LAB N° 0121
FSM N° 007 I	LAT N° 021

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BP . P 1 . 2 3 . PA . 4	<p>1: none: single seal "DS": double seal</p> <p>2: Thread type of cable glands on which the insert is mounted on "M" – Metric ISO pitch 1,5</p> <p>3: size and dimensions according to related tables</p> <p>4: color BK – black GN - green</p>
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[15.2] Ratings:  
For minimal and maximal diameters of permitted cables and torque values, see drawings and instructions manual listed in DL- AT17-0011316-01.

[15.3] Safety Ratings: -

[15.4] Ambient temperature and temperature classes:  
Cable glands CG.P \* \* \* . \* \* PA . \* . \* have the working temperature of:  
-30÷+70°C with NBR sealing rings  
-40÷+70°C with neoprene sealing rings  
-60÷+70°C with silicone sealing rings  
Plugs SP.PE. \* \* . PA . \* . \* have the working temperature until -60°C ÷ +70°C, depending on gasket used (refers to Technical Note PCA4-170 rev.02).

[15.5] Degree of protection (IP code): 66/68

[15.6] Warnings:  
For gas installations (only for cable glands with M50/PG42/PF 1 ½"/NPT 1 ½" threads and following) and dust installations: Warning. Potential electrostatic charging hazard - See instructions. Clean only with antistatic clothes.

[16] Report: AT17-0011316-01

[16.1] Routine (factory) tests:  
The manufacturer must carried out the routine test prescribed at clauses 27 of the EN 60079-0.

[16.2] Conformity with the documentation:  
The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.  
Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters;
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results.

[16.3] Installation conditions:  
Above referred equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified at clause 1, par. 2 of EN 60079-0.  
Installation and use in atmospheric and environmental conditions that are out of above mentioned intervals request special considerations and additional measures by the side of installer or user.

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These should be specified to the manufacturer by the user; it is not a required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions.  
The installation shall be done according to safety manufacturer instructions to maintain degree of protection.

[17] Special Condition of use (X):

The cable glands are only suitable for fixed installations.

Cables shall be effectively clamped to prevent pulling or twisting.

For gas installations (only for cable glands with M50/PG42/PF 1 1/2"/NPT 1 1/2" threads and following) and dust installations:

Warning. Potential electrostatic charging hazard - See instructions. Clean only with antistatic clothes.

When cable glands are installed with polyamide insert BP. P\* . \*\* . PA . \* , mechanical risk have to be taken into account, depending on cable gland and insert tap. When insert tap is removed in order to install the proper cable, the integrity of sealing rings have to be checked, in order to guarantee the correct tightness.

If necessary, sealing rings have to be replaced with new ones (original spare parts only).

[18] Essential Health and safety Requirements:

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].

This Certificate **does not** cover hazards coming from environmental conditions different from those clearly and precisely indicated in clause 1 of EN 60079-0.

ESHR 1.2.7 According Annex VIII of the Directive

ESHR 1.4 Not verified.

ESHR 1.5 Not applied.

ESHR 3 Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9],

The following are considered relevant to this product, and conformity is demonstrated in the report:

N/A: additional Requirements for the products have not been considered.

[19] descriptive documents:

DL-AT17-0011316-01, rev. 2, dated 2017-09-09, 30 pages.

[20] Certification Validity Conditions:

- The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.
- The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per [19]. One copy of the mentioned documentation is kept in IMQ file.

[21] In accordance with Article 41 of Directive 2014/34/EU, Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. New issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

[22] Variations:

**October, 2017:**

- Standard update to EN 60079-7:2015
- The minimum temperature for series CG.P\_DS, CG.P\_DS1 with silicone seal are changed from -40°C to -60°C.
- Green colour option is added to BP. Protection tap.
- The coding system for cable glands, plugs and Protection tap are changed, see new key code.

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**November, 2015:**

- Standard update to EN 60079-31:2014
- Introductions of alternative of blue cap. Change of related key code.
- Introductions of alternative models series CG.P \* 1 . \* \* PA . \* . \* and CG.P \* DS 1 . \* \* PA . \* . \* with bigger cap

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