[1] # EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in potentially explosive atmospheres - Directive 2014/34/EU – Annex III – MODULE B: EU-TYPE EXAMINATION**

[3] EU-type Examination Certificate number: **IMQ 15 ATEX 006X**

[4] PRODUCT: **High Impact Polyamide Cable Glands for circular cables; High Impact Plug**

TYPE/SERIES: **CG.P * * * * * PA .*.*; SP.PE.* *.PA.* ***

[5] MANUFACTURER: **Pepperl + Fuchs SE**

[6] ADDRESS: 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 Report No.: **AT21-0069024-01_D**

[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 IEC 60079-0:2018; EN IEC 60079-7:2015+A1:2018; 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

THIS CERTIFICATE CANCELS AND REPLACES THE PREVIOUS ONE. IT INCLUDES 1 ANNEX.

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B.U. PRODUCT CONFORMITY ASSESSMENT
CERTIFICATION SECTOR - MANAGER

[13] # Annex

[14] EU-type Examination Certificate number: **IMQ 15 ATEX 006X**

[15] **Description of product:**

The polyamide cable glands series CG.P * * * . * * PA .*.* are used to introduce permanently circular cables into enclosure.
Plugs series SP.PE.* *.PA.*.* are used to close unused cable entry of an enclosure.
Cable glands and plugs are suitable for electrical equipment either with type of protection Ex e or type of protection Ex t. Cable glands should be also used for intrinsically safe circuits Ex i.
Cable glands CG.P * DS *. * * PA .*.* are provided with double (S1+S2) sealing rings.
Cable glands can be supplied with tap, polyamide made, as accessory (BP.P*.**.PA.*), suitable to guarantee IP degree when installed according to manufacturer's instructions.
Details on sealing rings material, flat washer (placed between the body and the cover of enclosures) materials and limitations are listed in Table 1.

Table 1: materials and service temperatures

Series	Service temperature [1]	Sealing rings material	Flat washer materials	OR materials	Mechanical risk
CG.P_,	-30 ÷ +70 °C	NBR	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	chloroprene (neoprene) silicone EPDM rubber	High (7J)
	-40 ÷ +70 °C	chloroprene (neoprene)			
	-60 ÷ +70 °C	silicone			
CG.P_1,	-30 ÷ +70 °C	NBR	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	chloroprene (neoprene) silicone EPDM rubber	High (7J)
	-40 ÷ +70 °C	chloroprene (neoprene)			
	-60 ÷ +70 °C	silicone			
CG.P_DS,	-30 ÷ +70 °C	NBR	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	chloroprene (neoprene) silicone EPDM rubber	High (7J)
	-40 ÷ +70 °C	chloroprene (neoprene)			
	-60 ÷ +70 °C [2]	silicone			
CG.P_DS1,	-30 ÷ +70 °C	NBR	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber NBR	chloroprene (neoprene) silicone EPDM rubber	High (7J)
	-40 ÷ +70 °C	chloroprene (neoprene)			
	-60 ÷ +70 °C	silicone			
SP.PE	-30 ÷ +70 °C	-	NBR	-	High (7J)
	-40 ÷ +70 °C		chloroprene (neoprene) EPDM rubber		
	-60 ÷ +70 °C		silicone		
	-60 ÷ +70 °C		KLINGERSIL® C-4400		

Notes
[1] Service temperature is related to material of sealing rings and polyamide which cable glands body is made of, but can be additionally limited by material of flat washer/OR material temperature limitations: chloroprene (-40÷100 °C); silicone (-60÷180 °C); EPDM rubber (-40÷110 °C); KLINGERSIL® C-4400 fiber (-50÷130 °C). The use of these materials in flat washer/OR has to be taken into account in determination of lower limit of service temperature of cable glands.
[2] When blue caps are used and/or BP.-. protection tap is used, the service temperature is -40÷70 °C. Low mechanical risk (4J).

[13] **Annex**

[14] EU-type Examination Certificate number: **IMQ 15 ATEX 006X**

[15.1] **Models/Series Identification:**

Model and torque table for CG.P * * . * * PA .*.*				
Model		**Min-max cable [mm]**	**Torque value [Nm]**	**Mechanical risk**
CG.P*.M12.PA.*.10	CG.P*1.M12.PA.*.10	4-6.5	2	
CG.P*.M12.PA.*.15	CG.P*1.M12.PA.*.15	4-6.5	2	
CG.P*.M16S.PA.*.10	CG.P*1.M16S.PA.*.10	5-8	4	
CG.P*.M16S.PA.*.15	CG.P*1.M16S.PA.*.15	5-8	4	
CG.P*.M16.PA.*.10	CG.P*1.M16.PA.*.10	6-10	4	
CG.P*.M16.PA.*.15	CG.P*1.M16.PA.*.15	6-10	4	
CG.P*.M20S.PA.*.10	CG.P*1.M20S.PA.*.10	6-10	2.5	
CG.P*.M20.PA.*.10	CG.P*1.M20.PA.*.10	7-12	5	
CG.P*.M20.PA.*.15	CG.P*1.M20.PA.*.15	7-12	5	
CG.P*.M20L.PA.*.10	CG.P*1.M20L.PA.*.10	7-13	4.5	
CG.P*.M20XL.PA.*.10	CG.P*1.M20XL.PA.*.10	11-14	5.5	
CG.P*.M20XL.PA.*.15	CG.P*1.M20XL.PA.*.15	11-14	5.5	
CG.P*.M25S.PA.*.10	CG.P*1.M25S.PA.*.10	11-14	5.5	
CG.P*.M25S.PA.*.15	CG.P*1.M25S.PA.*.15	11-14	5.5	
CG.P*.M25.PA.*.10	CG.P*1.M25.PA.*.10	12-17	5	
CG.P*.M25.PA.*.15	CG.P*1.M25.PA.*.15	12-17	5	
CG.P*.M25L.PA.*.10	CG.P*1.M25L.PA.*.10	14-18	8	
CG.P*.M25L.PA.*.15	CG.P*1.M25L.PA.*.15	14-18	8	
CG.P*.M32S.PA.*.10	CG.P*1.M32S.PA.*.10	14-18	8	
CG.P*.M32.PA.*.10	CG.P*1.M32.PA.*.10	16-21	6	
CG.P*.M32.PA.*.15	CG.P*1.M32.PA.*.15	16-21	6	
CG.P*.M32L.PA.*.15	CG.P*1.M32L.PA.*.15	19-25	9	
CG.P*.M40.PA.*.10	CG.P*1.M40.PA.*.10	20-28	5	
CG.P*.M40.PA.*.15	CG.P*1.M40.PA.*.15	20-28	5	
CG.P*.M40L.PA.*.18	CG.P*1.M40L.PA.*.18	23-32	17.5	
CG.P*.M50.PA.*.18	CG.P*1.M50.PA.*.18	31-38	22	
CG.P*.M63.PA.*.18	CG.P*1.M63.PA.*.18	35-44	24	
CG.P*.NPT3/8.PA.*.10	CG.P*1.NPT3/8.PA.*.10	6-10	4	High (7J)
CG.P*.NPT1/2S.PA.*.10	CG.P*1.NPT1/2S.PA.*.10	6-10	2.5	
CG.P*.NPT1/2.PA.*.10	CG.P*1.NPT1/2.PA.*.10	7-12	5	
CG.P*.NPT1/2XL.PA.*.10	CG.P*1.NPT1/2XL.PA.*.10	11-14	5.5	
CG.P*.NPT3/4L.PA.*.10	CG.P*1.NPT3/4L.PA.*.10	14-18	8	
CG.P*.NPT1L.PA.*.15	CG.P*1.NPT1L.PA.*.15	19-25	9	
CG.P*.NPT1-1/4L.PA.*.18	CG.P*1.NPT1-1/4L.PA.*.18	23-32	17.5	
CG.P*.NPT1-1/2.PA.*.18	CG.P*1.NPT1-1/2.PA.*.18	31-38	22	
CG.P*.NPT2.PA.*.18	CG.P*1.NPT2.PA.*.18	35-44	24	
CG.P*.PG7.PA.*.10	CG.P*1.PG7.PA.*.10	4-6.5	2	High (7J)
CG.P*.PG9S.PA.*.10	CG.P*1.PG9S.PA.*.10	5-8	4	
CG.P*.PG11.PA.*.10	CG.P*1.PG11.PA.*.10	6-10	4	
CG.P*.PG13-1/2.PA.*.10	CG.P*1.PG13-1/2.PA.*.10	7-12	5	
CG.P*.PG16XL.PA.*.10	CG.P*1.PG16XL.PA.*.10	11-14	5.5	
CG.P*.PG21L.PA.*.10	CG.P*1.PG21L.PA.*.10	14-18	8	
CG.P*.PG29L.PA.*.15	CG.P*1.PG29L.PA.*.15	19-25	9	
CG.P*.PG36L.PA.*.18	CG.P*1.PG36L.PA.*.18	23-32	17.5	
CG.P*.PG42.PA.*.18	CG.P*1.PG42.PA.*.18	31-38	22	
CG.P*.PG48.PA.*.18	CG.P*1.PG48.PA.*.18	35-44	24	
CG.P*.PF3/8.PA.*.10	CG.P*1.PF3/8.PA.*.10	6-10	4	High (7J)
CG.P*.PF1/2S.PA.*.10	CG.P*1.PF1/2S.PA.*.10	6-10	2.5	
CG.P*.PF1/2.PA.*.10	CG.P*1.PF1/2.PA.*.10	7-12	5	
CG.P*.PF1/2XL.PA.*.10	CG.P*1.PF1/2XL.PA.*.10	11-14	5.5	
CG.P*.PF3/4L.PA.*.10	CG.P*1.PF3/4L.PA.*.10	14-18	8	
CG.P*.PF1L.PA.*.15	CG.P*1.PF1L.PA.*.15	19-25	9	

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Model and torque table for CG.P * DS * . * * PA .*.*						
Model		Min-max cable [mm]		Torque value [Nm]		Mechanical risk
		S1+S2	S1	S1+S2	S1	
CG.P*DS.M12.PA.*.10	CG.P*DS1.M12.PA.*.10	3-4	4-6.5	1	2	High (7J)
CG.P*DS.M12.PA.*.15	CG.P*DS1.M12.PA.*.15	3-4	4-6.5	1	2	
CG.P*DS.M16S.PA.*.10	CG.P*DS1.M16S.PA.*.10	4-5	5-8	3.5	4	High (7J)
CG.P*DS.M16S.PA.*.15	CG.P*DS1.M16S.PA.*.15	4-5	5-8	3.5	4	
CG.P*DS.M16.PA.*.10	CG.P*DS1.M16.PA.*.10	4-7	6-10	3.5	4	
CG.P*DS.M16.PA.*.15	CG.P*DS1.M16.PA.*.15	4-7	6-10	3.5	4	
CG.P*DS.M20S.PA.*.10	CG.P*DS1.M20S.PA.*.10	4-7	6-10	3.2	2.5	
CG.P*DS.M20.PA.*.10	CG.P*DS1.M20.PA.*.10	6-8.5	7-12	5	5	
CG.P*DS.M20.PA.*.15	CG.P*DS1.M20.PA.*.15	6-8.5	7-12	5	5	
CG.P*DS.M20L.PA.*.10	CG.P*DS1.M20L.PA.*.10	4-7	7-13	3.5	4.5	
CG.P*DS.M20XL.PA.*.10	CG.P*DS1.M20XL.PA.*.10	8-12	11-14	5.5	5.5	
CG.P*DS.M20XL.PA.*.15	CG.P*DS1.M20XL.PA.*.15	8-12	11-14	5.5	5.5	
CG.P*DS.M25S.PA.*.10	CG.P*DS1.M25S.PA.*.10	8-12	11-14	5.5	5.5	
CG.P*DS.M25S.PA.*.15	CG.P*DS1.M25S.PA.*.15	8-12	11-14	5.5	5.5	
CG.P*DS.M25.PA.*.10	CG.P*DS1.M25.PA.*.10	9-13	12-17	5	5	
CG.P*DS.M25.PA.*.15	CG.P*DS1.M25.PA.*.15	9-13	12-17	5	5	
CG.P*DS.M25L.PA.*.10	CG.P*DS1.M25L.PA.*.10	10-14	14-18	5.5	8	
CG.P*DS.M25L.PA.*.15	CG.P*DS1.M25L.PA.*.15	10-14	14-18	5.5	8	
CG.P*DS.M32S.PA.*.10	CG.P*DS1.M32S.PA.*.10	10-14	14-18	5.5	8	High (7J)
CG.P*DS.M32.PA.*.10	CG.P*DS1.M32.PA.*.10	12-16	16-21	4.5	6	
CG.P*DS.M32.PA.*.15	CG.P*DS1.M32.PA.*.15	12-16	16-21	4.5	6	
CG.P*DS.M32L.PA.*.15	CG.P*DS1.M32L.PA.*.15	14-20	19-25	8	9	
CG.P*DS.M40.PA.*.10	CG.P*DS1.M40.PA.*.10	17-21	20-28	5	5	
CG.P*DS.M40.PA.*.15	CG.P*DS1.M40.PA.*.15	17-21	20-28	5	5	
CG.P*DS.M40L.PA.*.18	CG.P*DS1.M40L.PA.*.18	21-26	23-32	15	17.5	
CG.P*DS.M50.PA.*.18	CG.P*DS1.M50.PA.*.18	22-31	31-38	18	22	
CG.P*DS.M63.PA.*.18	CG.P*DS1.M63.PA.*.18	28-35	35-44	22	24	
CG.P*DS.NPT3/8.PA.*.10	CG.P*DS1.NPT3/8.PA.*.10	4-7	6-10	3.5	4	High (7J)
CG.P*DS.NPT1/2S.PA.*.10	CG.P*DS1.NPT1/2S.PA.*.10	4-7	6-10	3.2	2.5	
CG.P*DS.NPT1/2.PA.*.10	CG.P*DS1.NPT1/2.PA.*.10	6-8.5	7-12	5	5	
CG.P*DS.NPT1/2XL.PA.*.10	CG.P*DS1.NPT1/2XL.PA.*.10	8-12	11-14	5.5	5.5	
CG.P*DS.NPT3/4L.PA.*.10	CG.P*DS1.NPT3/4L.PA.*.10	10-14	14-18	5.5	8	
CG.P*DS.NPT1L.PA.*.15	CG.P*DS1.NPT1L.PA.*.15	14-20	19-25	8	9	High (7J)
CG.P*DS.NPT1-1/4L.PA.*.18	CG.P*DS1.NPT1-1/4L.PA.*.18	21-26	23-32	15	17.5	
CG.P*DS.NPT1-1/2L.PA.*.18	CG.P*DS1.NPT1-1/2L.PA.*.18	22-31	31-38	18	22	
CG.P*DS.NPT2.PA.*.18	CG.P*DS1.NPT2.PA.*.18	28-35	35-44	22	24	
CG.P*DS.PG7.PA.*.10	CG.P*DS1.PG7.PA.*.10	3-4	4-6.5	1	2	High (7J)
CG.P*DS.PG9S.PA.*.10	CG.P*DS1.PG9S.PA.*.10	4-5	5-8	3.5	4	High (7J)

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CG.P*DS.PG11.PA.*.10	CG.P*DS1.PG11.PA.*.10	4-7	6-10	3.5	4	
CG.P*DS.PG13-1/2.PA.*.10	CG.P*DS1.PG13-1/2.PA.*.10	6-8.5	7-12	5	5	
CG.P*DS.PG16XL.PA.*.10	CG.P*DS1.PG16XL.PA.*.10	8-12	11-14	5.5	5.5	
CG.P*DS.PG21L.PA.*.10	CG.P*DS1.PG21L.PA.*.10	10-14	14-18	5.5	8	
CG.P*DS.PG29L.PA.*.15	CG.P*DS1.PG29L.PA.*.15	14-20	19-25	8	9	High (7J)
CG.P*DS.PG36L.PA.*.18	CG.P*DS1.PG36L.PA.*.18	21-26	23-32	15	17.5	
CG.P*DS.PG42.PA.*.18	CG.P*DS1.PG42.PA.*.18	22-31	31-38	18	22	
CG.P*DS.PG48.PA.*.18	CG.P*DS1.PG48.PA.*.18	28-35	35-44	22	24	
CG.P*DS.PF3/8.PA.*.10	CG.P*DS1.PF3/8.PA.*.10	4-7	6-10	3.5	4	High (7J)
CG.P*DS.PF1/2S.PA.*.10	CG.P*DS1.PF1/2S.PA.*.10	4-7	6-10	3.2	2.5	
CG.P*DS.PF1/2.PA.*.10	CG.P*DS1.PF1/2.PA.*.10	6-8.5	7-12	5	5	
CG.P*DS.PF1/2XL.PA.*.10	CG.P*DS1.PF1/2XL.PA.*.10	8-12	11-14	5.5	5.5	
CG.P*DS.PF3/4L.PA.*.10	CG.P*DS1.PF3/4L.PA.*.10	10-14	14-18	5.5	8	
CG.P*DS.PF1L.PA.*.15	CG.P*DS1.PF1L.PA.*.15	14-20	19-25	8	9	High (7J)

Model and torque table for SP.PE

Model						Torque value [Nm]
SP.PE.M12.PA.C.10	M12	SP.PE.NPT1/4.PA.C.10	NPT 1/4"	SP.PE.PF1/4.PA.C.10	PF 1/4"	1.5±0.2
SP.PE.M16.PA.C.11	M16	-	-	SP.PE.PF3/8.PA.C.11	PF 3/8"	1.5±0.5
SP.PE.M16.PA.C.12	M16	-	-	SP.PE.PF3/8.PA.C.12	PF 3/8"	1.5±0.5
SP.PE.M16.PA.C.15	M16	SP.PE.NPT3/8.PA.C.15	NPT 3/8"	SP.PE.PF3/8.PA.C.15	PF 3/8"	1.5±0.5
SP.PE.M20.PA.C.11	M20	-	-	SP.PE.PF1/2.PA.C.11	PF 1/2"	2.0±0.5
SP.PE.M20.PA.C.12	M20	-	-	SP.PE.PF1/2.PA.C.12	PF 1/2"	2.0±0.5
SP.PE.M20.PA.C.15	M20	SP.PE.NPT1/2.PA.C.15	NPT 1/2"	SP.PE.PF1/2.PA.C.15	PF 1/2"	2.0±0.5
SP.PE.M25.PA.C.10	M25	-	-	SP.PE.PF3/4.PA.C.10	PF 3/4"	2.5±0.5
SP.PE.M25.PA.C.15	M25	SP.PE.NPT3/4.PA.C.15	NPT 3/4"	SP.PE.PF3/4.PA.C.15	PF 3/4"	2.5±0.5
SP.PE.M32.PA.C.15	M32	SP.PE.NPT1.PA.C.15	NPT 1"	SP.PE.PF1.PA.C.15	PF 1"	4.0±1.0
SP.PE.M40.PA.C.18	M40	SP.PE.NPT1-1/4.PA.C.18	NPT 1 1/4"	SP.PE.PF1-1/4.PA.C.18	PF 1 1/4"	6.0±1.0
SP.PE.M50.PA.C.18	M50	SP.PE.NPT1-1/2.PA.C.18	NPT 1 1/2"	SP.PE.PF1-1/2.PA.C.18	PF 1 1/2"	8.0±1.5
SP.PE.M63.PA.C.18	M63	SP.PE.NPT2.PA.C.18	NPT 2"	SP.PE.PF2.PA.C.18	PF 2"	10.0±1.5
-		-	-			-
-		-	-			-

Model		Torque value [Nm]	Mechanical risk
SP.PE.PG7.PA.C.10	PG7	1.5±0.2	High (7J)
SP.PE.PG9.PA.C.11	PG9	1.5±0.5	
SP.PE.PG9.PA.C.12	PG9	1.5±0.5	
SP.PE.PG9.PA.C.15	PG9	1.5±0.5	
SP.PE.PG11.PA.C.11	PG11	1.5±0.5	
SP.PE.PG13.5.PA.C.11	PG13.5	2.0±0.5	
SP.PE.PG13.5.PA.C.12	PG13.5	2.0±0.5	
SP.PE.PG13.5.PA.C.15	PG13.5	2.0±0.5	
SP.PE.PG16.PA.C.11	PG16	2.0±0.5	
SP.PE.PG21.PA.C.10	PG21	2.5±0.5	
SP.PE.PG21.PA.C.15	PG21	2.5±0.5	
SP.PE.PG29.PA.C.15	PG29	4.0±1.0	
SP.PE.PG36.PA.C.18	PG36	6.0±1.0	
SP.PE.PG42.PA.C.18	PG42	8.0±1.5	
SP.PE.PG48.PA.C.18	PG48	10.0±1.5	

Model and torque table for BP..

From size ...	... to size	Material	Mechanical risk	Sealing ring
M12/PG7/PF 1/4"/ NPT1/4"	M63/PG48/PF 2"/ NPT 2"	polyamide	High (7J) at T≥-40°C Low (4J) at T<-40°C	Single
M12/PG7/PF 1/4"/ NPT1/4"	M32/PG21/PF 1"/ NPT 1"		High (7J) at T≥-40°C	Double
M32/PG21/PF 1"/ NPT 1"	M63/PG48/PF 2"/ NPT 2"		High (7J) at T≥-40°C Low (4J) at T<-40°C	

[13] # Annex

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Key code:

Identification of Polyamide Cable Glands												
CG.P	1	2	3	4	5	PA	6	7	1	The color of the cap	E	Black cap
											I	Blue cap
									2	Type of Seal of the gland	None	Single seal
											DS	Double seal
									3	Type of the cap	None	Normal cap
											1	Big cap
									4	Thread type	NPT	NPT ANSI ASME B1.20.1
											M	Metric UNI ISO 261
											PG	PG DIN 40430 (Ex-e only)
											PF	GAS UNI ISO 228-1
									5	Size and dimension		according to related tables
									6	Sealing material	C	Chloroprene
											S	Silicone
											N	NBR
									7	Thread Length		min. thread length (mm)

Identification of Polyamide Blindplugs								
SP.PE	1	2	PA	3	4	1	Thread type	NPT : NPT ANSI ASME B1.20.1
								M : Metric UNI ISO 261
								PG : PG DIN 40430 (Ex-e only)
								PF : GAS UNI ISO 228-1
						2	Size and dimension	according to related tables
						3	Sealing material	C : Chloroprene
								S : Silicone
								N : NBR
						4	Thread Length	min. thread length (mm)

Identification of Protection tap								
BP.P	1	2	3	PA	4	1	Type of tap	None : Single seal
								DS : Double seal
						2	Thread type of cable gland which the tap is mounted on	M : Metric UNI ISO 261
						3	Size and dimentsion	according to related tables
						4	Color	BK : Black
								GN : Green

[13] # Annex

[14] EU-type Examination Certificate number: **IMQ 15 ATEX 006X**

[15.2] **Ratings:**

For minimal and maximal diameters of permitted cables and torque values, see drawings and instructions manual listed in DL-AT21-0069024-01_D

[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 of: —30°C ÷ +70°C / -40°C ÷ +70°C / -60°C ÷ +70°C, depending on gasket used. (refers to Technical Note PCA4-170 listed in DL-AT21-0069024-01_D)

[15.5] **Degree of protection (IP code):**

IP66/68 (IPX8: 5 bar, 30 min)

[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**: AT21-0069024-01_D

[16.1] **Routine (factory) tests:**
The manufacturer shall carry 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.
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.
Installation of equipment has to proceed according to EN 60079-14.

[13] # Annex

[14] EU-type Examination Certificate number: **IMQ 15 ATEX 006X**

[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.
- The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.
- 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.
- 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 and covered 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 verified.
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

[19] **Descriptive documents:**

DL-AT21-0069024-01_D, rev.0, dated 2022-01-26

[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.

[13] # Annex

[14] EU-type Examination Certificate number: **IMQ 15 ATEX 006X**

[21] **Variations**

Issue 0, May 2015

Issue 1, November 2015
- Standard update to IEC 60079-31:2013 ed. 2
- Introductions of alternative of blue cap. Change of related key code, according to Table 2. The blue cap versions of cable glands are used for Ex i circuits
- Introductions of alternative models series CG.P * 1 . * * PA .*.* and CG.P * DS 1 . * * PA .*.* with bigger cap

Issue 2, September 2017
- Standard update to IEC 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.

Issue 3, May 2022
- The applicant's name had been changed from Pepperl+Fuchs GMBH to Pepperl+Fuchs SE;
- Standard updating to EN IEC 60079-0:2018; EN IEC 60079-7:2015+A1:2018;