



EU-TYPE EXAMINATION CERTIFICATE

- Equipment or Protective System intended for use in potentially explosive atmospheres Directive 2014/34/EU
- [3] EU-type Examination Certificate number: **IMQ 18 ATEX 025 X**
- [4] PRODUCT: Polyamide cable glands and plugs

Type/series: P..-X; H..-X; HTP..-X (DS); HTP..-X (axb)

EHIP .. - X; EHIP .. - X (DS); HIH .. - X.

- [5] MANUFACTURER: Rose Systemtechnik Gmbh
- [6] ADDRESS: ERBEWEG 13-15, D-32457 PORTA WESTFALICA 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.: AT17-0018642-01
- [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
- 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 2G Ex eb IIC Gb
II 2 D Ex tb IIIC Db

II 2 GD Ex eb IIC Gb and Ex tb IIIC Db

This document is composed of 8 pages including 1 annex

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Stefano Ferrari

B.U. PRODUCT CONFORMITY ASSESSMENT CERTIFICATION SECTOR – MANAGER

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Annex [13]

EU-type Examination Certificate number: IMQ 18 ATEX 025 X [14]

[15] **Description of product:**

The polyamide cable glands series P..-X, HTP..-X, HTP..-X (DS), EHIP..-X, EHIP..-X (DS) are used to introduce permanently circular cables

The polyamide cable glands series HTP..-X (axb) are used to introduce permanently non-circular (flat) cables into enclosure.

Plugs series H..-X and HIH..-X 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 can be also used to wire intrinsically safe circuits.

Cable glands HTP..-X (DS), EHIP..-X (DS) are provided with single (S1) or double (S1+S2) sealing rings.

Cable glands HTP..-X, EHIP..-X are provided with single (\$1) sealing rings only.

Cable glands series HTP..-X (axb) are provided with sealing ring specific for non-circular (flat cables), sealing ring hole dimensions are specified in brackets.

Cable glands P.,-X, HTP.,-X, HTP.,-X, (DS), EHIP.,-X, (DS) can be supplied with tap, polyamide made, as accessory (PDPX), 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, O-ring materials and limitations are listed in Table 1.

Installation of cable glands and plugs ensures protection degree IP66/68. IP rating is achieved by use of a flat washer for plugs and a flat washer/O-ring when installing cable glands.

		Table 1: materials and	service remperatures		
Series	Service temperature ¹	Sealing rings material	Flat washer materials	OR materials	Mechanica risk
PX	-40 ÷ +80 °C (See note 2)	chloroprene (neoprene) silicone	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber, NBR	chloroprene (neoprene) silicone EPDM rubber	Low (4J)
HX	-40 ÷ +80 °C	-	NBR chloroprene (neoprene) EPDM rubber	-	Low (4J)
-	-60 ÷ +80 °C -50 ÷ +80 °C	⊣ ⊦	silicone KLINGERSIL® C-4400	-	
	-30 ÷ +70 °C	NBR	chloroprene (neoprene)	chloroprene	
HTPX	-40 ÷ +70 °C	chloroprene (neoprene)	silicone KLINGERSIL® C-4400	(neoprene) silicone	High (7J)
	-60 ÷ +70 °C (See note 2)	silicone	EPDM rubber, NBR	EPDM rubber	
	-30 ÷ +70 °C	NBR	chloroprene (neoprene) chloroprene		
EHIPX	-40 ÷ +70 °C	chloroprene (neoprene)	silicone KLINGERSIL® C-4400	(neoprene) silicone	High (7J)
	-60 ÷ +70 °C (See note 2)	silicone	EPDM rubber, NBR	EPDM rubber	
HTPX (axb)	-60 ÷ +70 °C (See note 2)	silicone	chloroprene (neoprene) silicone KLINGERSIL® C-4400 EPDM rubber, NBR	chloroprene (neoprene) silicone EPDM rubber	High (7J)
	-30 ÷ +70 °C	NBR	chloroprene (neoprene)	chloroprene	
HTPX (DS)	-40 ÷ +70 °C	chloroprene (neoprene)	silicone KLINGERSIL® C-4400	(neoprene) silicone	High (7J)
	-60 ÷ +70 °C (See note 2)	silicone	EPDM rubber, NBR	EPDM rubber	
	-30 ÷ +70 °C	NBR	chloroprene (neoprene)	chloroprene	
EHIPX (DS)	-40 ÷ +70 °C	chloroprene (neoprene)	silicone KLINGERSIL® C-4400	(neoprene) silicone	High (7J)
	-60 ÷ +70 °C (See note 2)	silicone	EPDM rubber, NBR	EPDM rubber	
	-40 ÷ +70 °C		NBR chloroprene (neoprene) EPDM rubber		
HIHX	-60 ÷ +70 °C	-	silicone -		High (7J)
	-50 ÷ +70 °C		KLINGERSIL® C-4400		

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

* 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 tidd washer/O-Ring material temperature limitations:

Chloroprene (-40÷100 °C); silicone (-60÷180 °C); EPDM rubber (-40÷110 °C); KLINGERSIL® C-4400 fiber (-50÷130 °C); NBR (-40÷100 °C).

The use of these materials in flat washer/O-Ring shall be taken into account in determination of lower limit of service temperature of cable glands, while upper limit is 80 °C for series P.-.X and 70°C for all other series.

When blue caps are used the service temperature changes to -40÷70 °C and low mechanical risk (4J) shall be considered.

When PDPX protection taps are used mechanical risk is determined according table 4.







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[15.1] Models/Series Identification:

The characteristics of the cable glands are codified according to Table 2:

P 1 3 - 2 4 - 5 - 6 1 Thread type: "N" - NPT ANSI ASME B1.20. "M" - Metric ISO pitch 1,5 (ISO 965/1 and ISO 965/3) "P" - PG DIN 40430 "PF" - ISO 228/1	1
EHIP 1 3 - 2 4 - 5 - 6	
HTP 1 - 2 4 (axb) - 5 - 6 2 Size and dimensions, according to Tables 3	
HTP 1 3 - 2 4 - (DS) 5 - 6	
EHIP 1 3 - 2 4 - (DS) 5 - 6 3 Cap: "I" – blue cap for use in circ none – black cap "T". Tampon blue print on b material	
(axb) Dimensions in mm of seafing ring, as follows: type SXL 5,0x15,0 type SXM 5,0x12,8 type SXS 6,0x10,8	
(DS) double sealing ring (S1; S1+S2) DC double crowns (sealing rings)	
4 Sealing rings material: C: Chloroprene seal S: Silicone seal N: NBR (only codes H and	EH)
5 Flat washer material: W: same material with seali WF: Floer washer WE: FPDM washer WE: FPDM washer WN: NBR washer	ng ring
6 O-ring material: Blank: None OC: Chloroprene O-Ring OS: Silicone O-Ring OE: EPDM O-Ring	
H 1 - 2 3 1 Thread type: "N" - NPT ANSI ASME B1.20. "P" - Metric ISO pitch 1.5 (ISO 965/1) and ISO 965/3) HIH 1 - 2 3 "B" - PG DIN 40430 "C" - ISO 228/1	1
2 Size and dimensions, according to Tables 3	
3 Flat washer material: C: Chloroprene washer S: Silicone washer WF: Fiber washer WE: EPDM washer WN: NBR washer	
Note: Flat washer must be always fitted with plug	
PDPX 1 - 2 - 2 (3) 1: color " " - Black colour "B" - Blue colour "G" - Green colour	
2: Size and dimensions (example)	ole; -13-22)
3: Plug size (example PG11)	

Models included in this Certificate are shown in Tables 3.x and 4 in following pages.





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		Table 3.1: PX se	eries	
Model	Thread	Min-max cable [mm]	Torque value [Nm]	Mechanical risk
PMSX2	M20x1.5	5,0-10,0	2,5	
PMX2	M20x1.5	6,0-12,0	5,0	
PMX2L	M20x1.5	6,0-12,0	5,0	
PMX3	M20x1.5	10,0-14,0	5,5	
PMX4	M20x1.5	10,0-14,0	5,5	
PMSX5	M25x1.5	10,0-14,0	5,5	
PMX5	M25x1.5	13,0-18,0	8,0	
PMSX6	M25x1.5	10,0-14,0	5,5	
PMX6	M25x1.5	13,0-18,0	8,0	
PMXEU25	M25x1.5	11,0-17,0	5,0	Low (4J)
PMXEU32	M32x1.5	15,0-21,0	6,0	
PMSX7	M32x1.5	13,0-18,0	8,0	
PMX7	M32x1.5	18,0-25,0	9,0	
PMXEU40	M40x1.5	19,0-28,0	5,0	
PMXEU40L	M40x1.5	19,0-28,0	5,0	
PMX8	M40x1.5	22,0-32,0	17,5	
PMX9	M50x1.5	30,0-38,0	22,0	
PMX10	M63x1.5	34,0-44,0	23,0	
PNSX2	NPT 1/2"	5,0-10,0	2,5	
PNX2	NPT 1/2"	6,0-12,0	5,0	
PNLX2	NPT 1/2"	10,0-14,0	5.5	
PNX3	NPT 3/4"	13,0-18,0	8,0	
PNX4	NPT 1"	18.0-25.0	9.0	Low (4J)
PNX8	NPT 1 1/4"	22,0-32,0	17,5	
PNX9	NPT 1 1/2"	30.0-38.0	22,0	
PNX10	NPT 2"	34,0-44,0	23,0	
PPFSX2	PF 1/2"	5,0-10,0	2,5	
PPFX2	PF 1/2"	6,0-12,0	5,0	
PPFLX2	PF 1/2"	10,0-14,0	5,5	Low (4J)
PPFX3	PF 3/4"	13,0-18,0	8,0	T ' '
PPFX4	PF 1"	18,0-25,0	9,0	7
PPX4	PG 13,5	6,0-12,0	5,0	
PPX5	PG 16	10,0-14,0	5,5	
PPX6	PG 21	13.0-18.0	8,0	
PPX7	PG 29	18,0-25,0	9,0	Low (4J)
PPX8	PG 36	22,0-32,0	17,5	- \ - /
PPX9	PG 42	30,0-38,0	22,0	7
PPX10	PG 48	34.0-44.0	23,0	7

	Table 3.2: HX series								
Model	Torque value [Nm]	Model	Torque value [Nm]	Model	Torque value [Nm]	Model	Torque value [Nm]	Mechanical risk	
HP-X02	1.5	HN-X02	1.5	HG-X02	1.5	-	-		
HP-X01	1.5	-	-	HG-X01	1.5	-	-		
HP-X01L	1.5	-	-	HG-X01L	1.5	-	-		
HP-X01HL	1.5	HN-X01HL	1.5	HG-X01HL	1.5	-	-		
HP-X1	2	-	-	HG-X1	2	HB-X1	1.5		
HP-X1L	2	-	-	HG-X1L	2	-	-		
HP-X1HL	2	HN-X1HL	2	HG-X1HL	2	-	-		
HP-X2	2.5	-	-	HG-X2	2.5	HB-X2	1.5		
-	-	-	-	-	-	HB-X2L	1.5		
HP-X2HL	2.5	HN-X2HL	2.5	HG-X2HL	2.5	HB-X2HL	1.5		
HP-X3	4	HN-X3	4	HG-X3	4	HB-X3	1.5	Low (4J)	
HP-X4	6	HN-X4	6	HG-X4	6	HB-X4	2		
-	-	-	-	-	-	HB-X4L	2		
-	-	-	-	-	-	HB-X4HL	2		
HP-X5	8	HN-X5	8	HG-X5	8	HB-X5	2		
HP-X6	10	HN-X6	10	HG-X6	10	HB-X6	2.5		
-	-	-	-	-	-	HB-X6HL	2.5		
-	-	-	-	-	-	HB-X7	4		
-	-	-	-	-	-	HB-X8	6		
-	-	-	-	-	-	HB-X9	8		
-	-	-	-	-	-	HB-X10	10		







Annex [13]

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* Table 3.3: HTPX and EHIPX series							
Mo	del	Min-max cable [mm]	Torque value [Nm]	Mechanical risk			
HTPOXS	EHIPOXS	4-6.5	2				
HTPXS	EHIPXS	4-6.5	2				
HTPSX1	EHIPSX1	5-8	4				
HTPSX1L	EHIPSX1L	5-8	4				
HTPX1	EHIPX1	6-10	4				
HTPX1L	EHIPX1L	6-10	4				
HTPSX2	EHIPSX2	6-10	2.5				
HTPX2	EHIPX2	7-12	5				
HTPX2L	EHIPX2L	7-12	5				
HTPMX2	EHIPMX2	7-13	4.5				
HTPX3	EHIPX3	11-14	5.5				
HTPX4	EHIPX4	11-14	5.5				
HTPSX5	EHIPSX5	11-14	5.5	1			
HTPSX6	EHIPSX6	11-14	5.5	High (7J)			
HTPXEU25	EHIPXEU25	12-17	5				
HTPXEU25L	EHIPXEU25L	12-17	5	1			
HTPX5	EHIPX5	14-18	8	1			
HTPX6	EHIPX6	14-18	8	1			
HTPSX7	EHIPSX7	14-18	8	1			
HTPXEU32	EHIPXEU32	16-21	6	1			
HTPXEU32L	EHIPXEU32L	16-21	6	1			
HTPX7	EHIPX7	19-25	9	1			
HTPXEU40	EHIPXEU40	20-28	5	1			
HTPXEU40L	EHIPXEU40L	20-28	5]			
HTPX8	EHIPX8	23-32	17.5]			
HTPX9	EHIPX9	31-38	22	1			
HTPX10	EHIPX10	35-44	24	1			

	* Table 3.5: HTPX (DS) and EHIPX (DS) series							
		Min-max	Torque vo	alue [Nm]				
Mo	Model		\$1+\$2	\$1	Mechanical risk			
HTPOXS(DS)	EHIPOXS(DS)	3-6.5	1	2				
HTPXS(DS)	EHIPXS(DS)	3-6.5	1	2				
HTPSX1 (DS)	EHIPSX1 (DS)	4-8	3.5	4				
HTPSX1L(DS)	EHIPSX1L(DS)	4-8	3.5	4				
HTPX1 (DS)	EHIPX1 (DS)	4-10	3.5	4				
HTPX1L(DS)	EHIPX1L(DS)	4-10	3.5	4				
HTPSX2(DS)	EHIPSX2(DS)	4-10	3.2	2.5				
HTPX2(DS)	EHIPX2(DS)	6-12	5	5				
HTPX2L(DS)	EHIPX2L(DS)	6-12	5	5				
HTPMX2(DS)	EHIPMX2(DS)	4-13	3.5	4.5				
HTPX3(DS)	EHIPX3(DS)	8-14	5.5	5.5				
HTPX4(DS)	EHIPX4(DS)	8-14	5.5	5.5				
HTPSX5(DS)	EHIPSX5(DS)	8-14	5.5	5.5				
HTPSX6(DS)	EHIPSX6(DS)	8-14	5.5	5.5	High (7J)			
HTPXEU25(DS)	EHIPXEU25(DS)	9-17	5.5	5				
HTPXEU25L(DS)	EHIPXEU25L(DS)	9-17	5.5	5				
HTPX5(DS)	EHIPX5(DS)	10-18	5	8				
HTPX6(DS)	EHIPX6(DS)	10-18	5	8				
HTPSX7(DS)	EHIPSX7(DS)	10-18	4.5	8				
HTPXEU32(DS)	EHIPXEU32(DS)	12-21	5.5	6				
HTPXEU32L(DS)	EHIPXEU32L(DS)	12-21	4.5	6				
HTPX7(DS)	EHIPX7(DS)	14-25	8	9				
HTPXEU40(DS)	EHIPXEU40(DS)	17-28	5	5				
HTPXEU40L(DS)	EHIPXEU40L(DS)	17-28	5	5				
HTPX8(DS)	EHIPX8(DS)	21-32	15	17.5				
HTPX9(DS)	EHIPX9(DS)	22-38	18	22				
HTPX10(DS)	EHIPX10(DS)	28-44	22	24				

^{*} metric threads cable glands sizes are shown; models with other threads, as detailed in table 2, are available. Full list is shown in "Relevant drawings for Certificate".

**Specific details for correct use of cable glands in relation to clamping range for single (\$1) or multiple sealing rings (\$1+\$2) are given in Instructions manual.





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	* Table 3.4: HTPX (axb) series									
Cable gland code	Sealing ring dimensions [mm x mm]	Complete code	Cable min [mm x mm]	Cable max [mm x mm]	Torque value [Nm]	Mechanica risk				
LITD CVE	6,0x10,8	HTPSX5 (6,0x10,8)	4,21x11,69	5,23 x 13,21						
HTPSX5	5,0x12,8	HTPSX5 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02]					
	6,0x10,8	HTPX5 (6,0x10,8)	4,21x11,69	5,23 x 13,21	1					
HTPX5	5,0x12,8	HTPX5 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	1					
	5,0x15,0	HTPX5 (5,0x15,0)	6,09 x 13,72	7,11 x 15,24	1					
	6,0x10,8	HTPXEU25 (6,0x10,8)	4,21x11,69	5,23 x 13,21	8	High (7J)				
HTPXEU25	5,0x12,8	HTPXEU25 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02						
	5,0x15,0	HTPXEU25 (5,0x15,0)	6,09 x 13,72	7,11 x 15,24						
LITE CV	6,0x10,8	HTPSX6 (6,0x10,8)	4,21x11,69	5,23 x 13,21						
HTPSX6	5,0x12,8	HTPSX6 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02						
	6,0x10,8	HTPX6 (6,0x10,8)	4,21x11,69	5,23 x 13,21						
HTPX6	5,0x12,8	HTPX6 (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	1					
	5,0x15,0	HTPX6 (5,0x15,0)	6,09 x 13,72	7,11 x 15,24	1					
	6,0x10,8	HTPXEU25L (6,0x10,8)	4,21x11,69	5,23 x 13,21	1					
HTPXEU25L	5,0x12,8	HTPXEU25L (5,0x12,8)	5,03 x 12,50	6,05 x 14,02	1					
	5,0x15,0	HTPXEU25L (5,0x15,0)	6,09 x 13,72	7,11 x 15,24	1					

	Table 3.6: HIHX series								
Model	Torque value [Nm]	Model	Torque value [Nm]	Model	Torque value [Nm]	Model	Torque value [Nm]	Mechanical risk	
HIHP-X02	1.5	HIHN-X02	1.5	HIHG-X02	1.5	HIHB-X1	1.5		
HIHP-X01	1.5	-	-	HIHG -X01	1.5	HIHB -X2	1.5		
HIHP-X01L	1.5	-	-	HIHG -X01L	1.5	HIHB -X2L	1.5		
HIHP-X01HL	1.5	HIHN- X01HL	1.5	HIHG -X01HL	1.5	HIHB -X2HL	1.5		
HIHP-X1	2	-	-	HIHG -X1	2	HIHB -X3	1.5		
HIHP -X1L	2	-	-	HIHG -X1L	2	HIHB -X4	2		
HIHP -X1HL	2	HIHN-X1HL	2	HIHG -X1HL	2	HIHB -X4L	2		
HIHP -X2	2.5	-	-	HIHG -X2	2.5	HIHB -X4HL	2	High (7J)	
HIHP -X2HL	2.5	HIHN - X2HL	2.5	HIHG -X2HL	2.5	HIHB -X5	2		
HIHP -X3	4	HIHN -X3	4	HIHG -X3	4	HIHB -X6	2.5		
HIHP -X4	6	HIHN -X4	6	HIHG -X4	6	HIHB -X6HL	2.5		
HIHP -X5	8	HIHN -X5	8	HIHG -X5	8	HIHB -X7	4		
HIHP -X6	10	HIHN -X6	10	HIHG -X6	10	HIHB -X8	6		
-	-	-	-	-	-	HIHB -X9	8		
-	-	-	-	-	-	HIHB -X10	10		

Table 4: PDPX series								
From size	to size	Material	Mechanical risk	Sealing ring				
M12/PG7/PF 1/4"/ NPT1/4"	M63/PG48/PF 2"/ NPT 2"		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"	polyamide	High (7J)	el e viel e				
M32/PG21/PF 1"/ NPT 1"	M63/PG48/PF 2"/ NPT 2"		High (7J) at T≥-40°C Low (4J) at T<-40°C	double				

^{*} metric threads cable glands sizes are shown; models with other threads, as detailed in table 2, are available. Full list is shown in "Relevant drawings for Certificate".

[15.2] Ratings:

For minimal and maximal diameters of permitted cables and torque values, see Tables 3.x and 4.



PRD N° 005 B



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[15.3] Safety Ratings:

None

[15.4] Ambient temperature and temperature classes:

Cable glands P..-X (sealing rings: silicone; neoprene) have the working temperature of: -40° C ÷ $+80^{\circ}$ C. Plugs H..-X have the working temperature of -40° C ÷ $+80^{\circ}$ C, except when used with silicone flat washer (-60° C ÷ $+80^{\circ}$ C) or KLINGERSIL flat washer (-50° C ÷ $+80^{\circ}$ C).

Others equipment 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

More details in Table 1 at [15].

[15.5] Degree of protection (IP code):

IP66/68

[15.6] Warnings:

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

[16] Report: AT17-0018642-01

[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 and 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





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pulling or twisting.

- The cable glands/plugs and the relevant cables, shall be used where a protection against risk of mechanical damage is provided, when they are suitable for low mechanical risk (4J) only.
- The cable gland installation shall be carried out according to Manufacturer's safety 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 PDPX, 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).
- Cable glands for non circular cables shall be fitted with proper cables, suitable for sealing ring, according to manufacturer's instruction.

[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:

None

[19] Descriptive documents: DL-AT17-0018642-01 dated 2018.08.28

[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

First issue

