

Ex D Cable Gland

Barrier Gland
M20/25

Documentation

Table of contents

1	Installation instructions for CMP Cable Gland	4
2	EU/UK Declaration of Conformity	7
3	ATEX Certificate	9
4	UKEx Certificate	11
5	IECEX Certificate of Conformity	13
6	INMETRO Certificate of Conformity	15
7	EAC Certificate of Conformity	17
8	Bureau Veritas	20
9	Support / Contact	23

Table of Figures

Figure 1.1 – Installation instructions for CMP Cable Gland-1	4
Figure 1.2 – Installation instructions for CMP Cable Gland-2	5
Figure 1.3 – Instructions for CMP Cable Gland-3	6
Figure 2.1 – EU/UK Declaration of Conformity-1	7
Figure 2.2 – EU/UK Declaration of Conformity-2	8
Figure 3.1 – ATEX (CML 18ATEX1325X) page1	9
Figure 3.1 – ATEX (CML 18ATEX4317X) page1	10
Figure 4.1 – UKEx (CML 21UKEX4215X) page1	11
Figure 4.1 – UKEx (CML 21UKEX1214X) page1	12
Figure 3.1 – IECEx page-1	13
Figure 3.2 – IECEx page-2	14
Figure 4.1 – INMETRO page-1	15
Figure 4.2 – INMETRO page-2	16
Figure 5.1 – EAC page-1	17
Figure 5.2 – EAC page-2	18
Figure 5.3 – EAC page-3	19
Figure 6.1 – Bureau Veritas page-1	20
Figure 6.2 – Bureau Veritas page-2	21
Figure 6.3 – Bureau Veritas page-3	22
Figure 6.4 – Bureau Veritas page-4	22

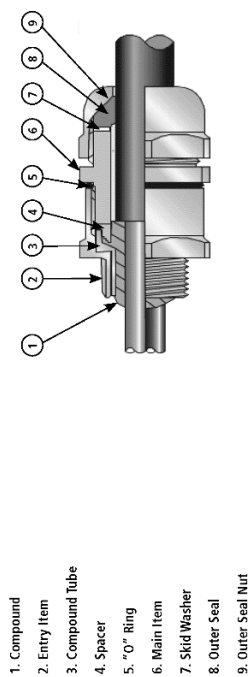
Revision history

Product: Ex-d-CableGland-BarrierGland-M20/25
 Titel: Ex-d-CableGland-BarrierGland-M20/25 - Documentation
 Doc. -Id.: 251106-PT95CU-SHe-Ex-d-CableGland-BarrierGland-M20-M25-Dokumentation_rev.00.docx
 Autor: Sabine Heinz
 Erstelldatum: November 06th 2025

Rev.- Index	Datum	Name	Comment	Approved by EX Officer
0	06.11 2025	S.Heinz	Compilation of the document	

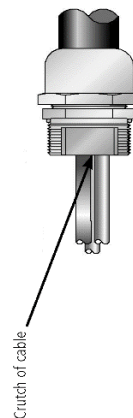
INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES PXSS2K

CABLE GLAND COMPONENTS



PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

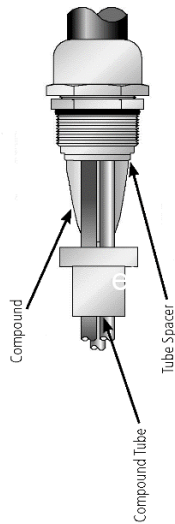
1. Separate the gland components by removing the main item (6) and outer seal nut assembly (7, 8, 9). Slacken the outer seal nut slightly to relax the seal and pass the main item/outer seal nut assembly over the cable, nut end first.
2. Strip the cable sheath by a length to suit the equipment. Position the end of the sheath in line with the main item (6) as shown below and tighten the outer seal nut enough to hold the cable in position.



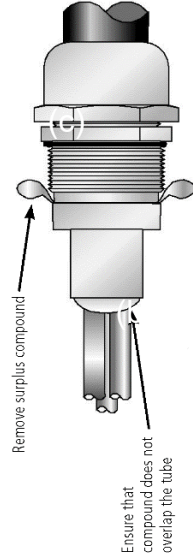
3. Remove any bedding or fillers from around the cable cores. If the cable cores have screens, these should be unravelled and then twisted together to form a single core. Wearing the protective gloves supplied, mix all of the two-part epoxy compound until it is pliable and an even colour is achieved. (Minimum mixing temperature 10°C / 50°F)

4. Fit the tube spacer (4). Separate the cable cores and apply the compound to the crutch of the cable for a distance of about 6mm and back into place. If a drain wire is present then it should be sleeved using some heat shrink tubing which is pushed into the compound before shrinking with the application of some heat. If screens have been twisted together at stage 3, then they should be treated like a drain wire.

5. Bring the cores together again and pack more compound around them to a length and diameter sufficient to fill the compound tube (ensuring compound is packed between each of the cable cores) before ending in a taper.

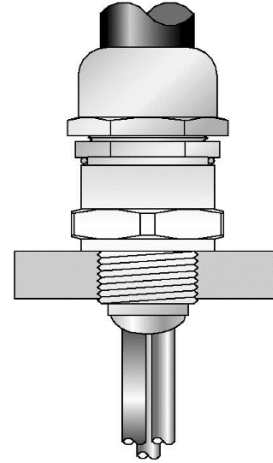


6. Pass the compound tube (3) over the conductors until the stepped end is fully located with the tube spacer (5). Pack more compound into place until the compound tube is fully filled.



7. Slightly slacken the outer seal nut. Re-install the cable assembly into the entry item making sure the compound is not disturbed and fully tighten the main item (6) onto the entry item (2). Tighten the outer seal nut (9) until it comes to an effective stop. This will occur when:

- A) The outer seal nut (9) has clearly engaged the cable and cannot be further tightened without the use of excessive force by the installer.
- B) The outer seal nut (9) is metal to metal with the main item (6).



Do not disturb for at least 24 hours

www.cmp-products.com

www.cmp-products.com

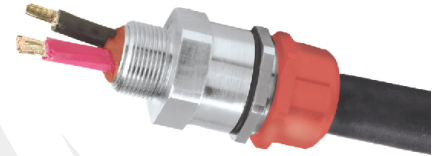
Figure 1.2 – Installation instructions for CMP Cable Gland-2

PXSS2K

**PXSS2K DOUBLE SEAL, GLOBALLY APPROVED,
EXPLOSIVE ATMOSPHERE BARRIER CABLE GLAND**

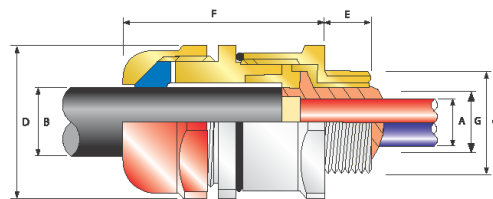
FOR ALL TYPES OF UNARMoured & BRAIDED CABLES

- Direct and remote installation
- Superior levels of cable retention
- Displacement type environmental seal
- Compound barrier type flameproof seal
- Deluge protected
- -60°C to +85°C
- Globally marked, UL, cCSAus, IECEx, ATEX and UKEX
- Compound barrier seals around internal cable cores after removing any inner cable sheath/bedding; completely eliminating any risk of coldflow



TECHNICAL CLASSIFICATION	
DESIGN SPECIFICATION	BS 6121: Part 1: 1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Type B
ENCLOSURE PROTECTION	IK10 to IEC 62262 (20 joules) Brass and Stainless Steel only
INGRESS PROTECTION RATING**	IP66, IP67 and IP68***
NEMA RATING**	Type 4X
DELUGE PROTECTION COMPLIANCE	DTS01 : 91
CABLE TYPE	Unarmoured***
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
SEALING TECHNIQUE	CMP Displacement Seal
SEALING AREAS	Inner Compound Barrier and Outer Sheath
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium

* Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444 ** When CMP installation accessories are used. Refer to www.cmp-products.com for further information.
*** Where the cable is permitted by code (NEC and/or CEC) *** IP68 tested to a minimum depth of 30 metres for 12 hours, alternative depths / durations can be provided upon request.



GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1325X, CML18ATEX317X	IECEx CERTIFICATE	IECEx CML 18.0182X
UKEX CERTIFICATE	CML21UKEX1214X, CML21UKEX4215X		
CODE OF PROTECTION	Ex II 2G I, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIC Da, Ex nR IIC Gb, Ex nR IIC Gc, Ex db I Mb, Ex eb I Mb*	CODE OF PROTECTION	Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gb, Ex nR IIC Gc, Ex db I Mb, Ex eb I Mb*
COMPLIANCE STANDARDS	EN 60079-0, 1, 7, 15, 31	COMPLIANCE STANDARDS	IEC 60079-0, 1, 7, 15, 31
cSALC CERTIFICATE	2288626		
cSALC CODE OF PROTECTION***	Class I, Div 1 and 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F and G; Class III, Div 1 and 2, Type 4X; Oil Resistance II; Class I, Zone 1, AEx d IIC Gb, AEx e IIC Gb; Class I, Zone 2, AEx nR IIC Gc, Class I, Zone 20, AEx ta IIC Da		
cCSA CODE OF PROTECTION***	Class I, Div 1 and 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F and G; Class III, Div 1 and 2, Type 4X; Oil Resistance II; Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIC Da		
COMPLIANCE STANDARDS	CAN/CSA-C22.2 No. 0.18.2.5, 30.174.94; CAN/CSA-60079-0, 1, 7, 15, 31; CAN/CSA-E61241-1-1; ANSI/UL 514B, ANSI/UL 50, ANSI/UL 2225, UL 60079-0, 1, 7, 15, ANSI/ISA 60079-31, CAN/CSA-E61241-1-1		
cULus CERTIFICATE (2015-90)	E201187-19990430, E161256-19990429		
CODE OF PROTECTION**	Class I, Div 1 and 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups F and G		
UL CERTIFICATE (2015-90)	E253914-20050328		
CODE OF PROTECTION**	Class I, Zone 1, AEx d IIC, AEx e II		
COMPLIANCE STANDARDS	UL 2225, UL 514B, UL 60079-0, UL 60079-7, CSA C22.2 No. 1740		
KGS KOSHA CERTIFICATE	14-GA480-0252X	ECAS CERTIFICATE	24-03-106290/E24-03-110155/ NB0007
BAL CERTIFICATE	EAC/PLUG-CBA/DOT/04695/22	UKI SEPRO CERTIFICATE	CL19.0371X
RETIE APPROVAL NUMBER	EL-CS-220061	COE / PESO (INDIA) CERTIFICATE	P533772, P548696, P548695
CCC CERTIFICATE	2020322313003190	INMETRO APPROVAL	TUV 12.2073X
SANS	MS-XPL/21.0305 X		
MARINE APPROVALS	LRS: LR22302739TA, DNV: TAE000000Y, ABS: 20-LD1948801-PDA, BV: 43180		

*Aluminium alloys are not permitted in Group I mining applications

**Where the cable is permitted by code (NEC and/or CEC)



COMBINED ORDERING REFERENCE			AVAILABLE ENTRY THREADS * (ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE)						NUMBER OF CORES	DIAMETER OVER CONDUCTORS *"	CABLE BEDDING DIAMETER *"	OVERALL CABLE DIAMETER *"		ACROSS FLATS *"		ACROSS CORNERS *"		PROTRUSION LENGTH *"	SHROUD	CABLE GLAND WEIGHT (g)
			STANDARD				OPTION													
			METRIC	MIN THREAD LENGTH (METRIC) *"	NPT	THREAD LENGTH (NPT) *"	NPT	MAX												
SIZE	TYPE	ORDERING SUFFIX	METRIC	MIN THREAD LENGTH (METRIC) *"	NPT	THREAD LENGTH (NPT) *"	NPT	MAX	MAX	MAX	MIN	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
20516	PXSS2K	1RA	M20	15.0	1/2"	19.9	3/4"	21	8.6	8.6	3.1	8.6	30.0	33.0	53.1	PVC06	0.20			
205	PXSS2K	1RA	M20	15.0	1/2"	19.9	3/4"	21	11.7	11.7	6.1	11.7	30.0	33.0	53.1	PVC06	0.20			
20	PXSS2K	1RA	M20	15.0	1/2"	19.9	3/4"	21	12.6	12.9	6.5	14.0	30.0	33.0	54.2	PVC06	0.20			
20L	PXSS2K	1RA	M20	15.0	1/2"	19.9	3/4"	21	12.6	12.9	10.5	15.9	30.0	33.0	54.2	PVC06	0.20			
25	PXSS2K	1RA	M25	15.0	3/4"	20.2	1"	30	17.5	17.9	11.1	20.0	36.0	39.6	60.0	PVC09	0.33			
32	PXSS2K	1RA	M32	15.0	1"	25.0	1 1/4"	38	23.6	23.9	17.0	26.3	41.0	45.1	61.1	PVC10	0.59			
32L	PXSS2K	1RA	M32	15.0	1"	25.0	1 1/4"	38	23.6	23.9	20.0	27.4	41.0	45.1	61.1	PVC10	0.59			
40	PXSS2K	1RA	M40	15.0	1 1/4"	25.6	1 1/2"	59	30.0	30.3	22.0	32.1	50.0	55.0	62.4	PVC13	0.56			
50S	PXSS2K	1RA	M50	15.0	1 1/2"	26.1	2"	89	36.6	36.9	29.5	38.2	55.0	60.5	65.2	PVC15	0.66			
50	PXSS2K	1RA	M50	15.0	2"	26.9	2 1/4"	115	41.0	41.3	35.6	44.0	60.0	66.0	67.6	PVC18	0.73			
63S	PXSS2K	1RA	M63	15.0	2"	26.9	2 1/4"	115	47.9	48.4	40.1	49.9	70.0	77.0	71.1	PVC21	1.07			
63	PXSS2K	1RA	M63	15.0	2 1/4"	39.9	3"	115	53.7	54.0	47.2	55.9	75.0	82.5	70.4	PVC23	1.06			
75S	PXSS2K	1RA	M75	15.0	2 1/4"	39.9	3"	140	59.9	60.2	52.8	61.9	80.0	88.0	75.3	PVC25	1.30			
75	PXSS2K	1RA	M75	15.0	3"	41.5	3 1/4"	140	64.3	64.2	59.1	67.9	85.0	93.5	74.9	PVC27	1.30			
90	PXSS2K	1RA	M90	20.0	3 1/4"	42.8	4"	140	75.3	75.6	66.6	79.4	108.0	118.8	94.8	PVC31	3.02			
100	PXSS2K	1RA	M100	20.0	3 1/4"	42.8	4"	200	83.6	85.9	76.0	90.9	123.0	135.3	86.3	LSF33	4.00			

*For material options add the following suffix to the ordering reference: Brass (no suffix required); Nickel Plated Brass *S; 316 Grade Stainless Steel *4; Copper Free Aluminium *1
For NPT options add the following digits to the material suffix: 1/2" = 31; 3/4" = 32; 1" = 33; 1 1/4" = 34; 1 1/2" = 35; 2" = 36; 2 1/4" = 37; 3" = 38; 3 1/2" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32PXSS2K1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPXSS2K1RA035 = Brass 1 1/2" NPT, 25PXSS2K1RA432 = Stainless Steel 3/4" NPT, 20PXSS2K1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary.

TDS555 REV20 01/25

www.cmp-products.com

Figure 1.3 – Instructions for CMP Cable Gland-3

2 EU/UK Declaration of Conformity

SECURING CABLES WORLDWIDE



EU/UK DECLARATION OF CONFORMITY

CMP Products Ltd. on its sole responsibility declares that the range of products listed below complies with the requirements of the ATEX Directive 2014/34/EU and UK statutory requirement SI 2016 No. 1107 (as amended).

Products for hazardous areas have been type approved by Notified Body CML B.V and Approved Body Eurofins E&E CML Limited. Attention is drawn to special conditions of use for each product. This information is available in the installation leaflets and at www.cmp-products.com.

CMP Products Ltd. on its sole responsibility declares that the products below, where applicable, also comply with the requirements of the following harmonised/designated standards;

EN 60079-0: 2018	Explosive atmospheres: Equipment – General requirements
EN 60079-1: 2014	Explosive atmospheres: Equipment protection by flameproof enclosures “d”
EN 60079-7: 2015 + A1: 2018	Explosive atmospheres: Equipment protection by increased safety “e”
EN 60079-15: 2019	Explosive atmospheres: Equipment protection by type of protection “n”
EN 60079-31: 2014	Explosive atmospheres: Equipment dust ignition protection by enclosure “t”

Notified Body Name & Address:

CML B.V.
 Koopvaardijweg 32,
 4906CV Oosterhout,
 The Netherlands

Notified Body number 2776  2776

Approved Body Name & Address:

Eurofins E&E CML Limited
 Newport Business Park,
 New Port Road,
 Ellesmere Port,
 CH65 4LZ,

Approved Body number 2503  2503



Mr. M. Webber
Authorised Person

Document Reference: DC07001 Iss 41

24/05/2024
 Cramlington, UK

T: +44 191 265 7411 E: customerservices@cmp-products.com W: cmp-products.com

CONTACT ADDRESS: CMP Products Limited, 36 Nelson Way, Nelson Park East, Cramlington, Northumberland, NE23 1WH, UK

REGISTERED IN ENGLAND NO. 06143400 VAT REG NO. GB 555 8517 12 REGISTERED OFFICE: 11 Glasshouse Street, St. Peter's, Newcastle upon Tyne, NE6 1BS, UK



Figure 2.1 – EU/UK Declaration of Conformity-1



Product	Certificate(s)	EN 60079-0	EN 60079-1	EN 60079-7	EN 60079-15	EN 60079-31
A2F (& variants)	CML 18ATEX1321X, CML 18ATEX4313X, CML 21UKEX1245X, CML 21UKEX4246X	✓	✓	✓	✓	✓
A2e (& variants)	CML 18ATEX1321X, CML 18ATEX4313X, CML 21UKEX1245X, CML 21UKEX4246X	✓		✓	✓	✓
A2FHT (& variants)	CML 18ATEX1308X, CML 18ATEX4312X, CML 21UKEX1249X, CML 21UKEX4250X	✓	✓	✓	✓	✓
A2e100 (& variants)	CML 18ATEX3309, CML 18ATEX4311, CML 21UKEX3244, CML 21UKEX4248	✓		✓	✓	✓
A2F100 (& variants) & D3CDS	CML 18ATEX1307, CML 18ATEX4311, CML 21UKEX1247, CML 21UKEX4248	✓	✓	✓	✓	✓
CWe, CXe, CZK (& variants)	CML 18ATEX1323X, CML 21UKEX1251X	✓		✓		✓
E-Series (& variants)	CML 18ATEX1324X, CML 18ATEX4316X, CML 21UKEX1252X, CML 21UKEX4253X	✓	✓	✓	✓	✓
PX-Series (& variants)	CML 18ATEX1325X, CML 18ATEX4317X, CML 21UKEX1013X, CML 21UKEX4015X	✓	✓	✓	✓	✓
SS2K (& variants)	CML 18ATEX1322X, CML 18ATEX4314X, CML 21UKEX1256X, CML 21UKEX4257X	✓	✓	✓	✓	✓
T3CDS (& variants) & TE1FU (& variants)	CML 18ATEX1326X, CML 18ATEX4318X, CML 21UKEX1258X, CML 21UKEX4259X	✓	✓	✓	✓	✓
TC, TCCG	CML 18ATEX1334X, CML 21UKEX1260X	✓	✓	✓		✓
TMC	CML 18ATEX1337X, CML 21UKEX1261X	✓		✓		✓
TMCX	CML 18ATEX1337X, CML 21UKEX1261X	✓	✓	✓		✓
TMC2	CML 18ATEX1335X, CML 21UKEX1262X	✓		✓		✓
TMC2X	CML 18ATEX1336X, CML 21UKEX1263X	✓	✓	✓		✓
TSMc, TSZe, TSXe, TSPE, TSPI	CML 19ATEX3185X, CML 21UKEX3264X	✓		✓		✓
717, 717e, 717E	CML 20ATEX3054X, CML 21UKEX3237X	✓		✓		✓
737, 747, 757, 767, 797	CML 18ATEX1320X, CML 21UKEX1238X	✓	✓	✓		✓
780, PX780	CML 18ATEX1327X, CML 21UKEX1240X	✓	✓	✓		✓

Figure 2.2 – EU/UK Declaration of Conformity-2

3 ATEX Certificate



EU Type Examination Certificate CML 18ATEX1325X Issue 1

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Type PX** Cable Glands**
- 3 Manufacturer **CMP Products Limited**
- 4 Address 36 Nelson Way, Nelson Park East,
Cramlington,
Northumberland NE23 1WH,
United Kingdom
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 6738671, Koopvaardijweg 32, 4906CV Oosterhout The Netherlands, Notified Body Number 2776, 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 equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018	EN 60079-1:2014	EN IEC 60079-7:2015 +A1:2018
EN 60079-31:2014		
- 10 The equipment shall be marked with the following:



I M2

Ex eb I Mb*

Ex db I Mb*



II 2G

Ex eb IIC Gb

Ex db IIC Gb



II 1D

Ex ta IIIC Da

*Aluminium alloy is not acceptable for Group I applications

-60°C to 85°C

This certificate shall only be copied
in its entirety and without change
www.CMLEx.com

1 of 8


 S. Roumbidakis
 Technical Manager

Figure 3.1 – ATEX (CML 18ATEX1325X) page1



UK Type Examination Certificate CML 21UKEX1214X Issue 0

United Kingdom Conformity Assessment

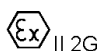
- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Type PX** Cable Glands**
- 3 Manufacturer **CMP Products Limited**
- 4 Address **36 Nelson Way, Nelson Park East,
Cramlington, Northumberland
NE23 1WH, United Kingdom**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

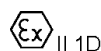
EN IEC 60079-0:2018	EN 60079-1:2014	EN IEC 60079-7:2015 +A1:2018
EN 60079-31:2014		
- 10 The equipment shall be marked with the following:



Ex eb I Mb*
Ex db I Mb*



Ex eb IIC Gb
Ex db IIC Gb



Ex ta IIIC Da

This certificate shall only be copied
in its entirety and without change
www.CMLEx.com

1 of 8



S. Roumbidakis
Technical Manager

Figure 4.1 – UKEx (CML 21UKEX1214X) page1

5 IECEx Certificate of Conformity

		IECEx Certificate of Conformity	
INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com			
Certificate No.:	IECEx CML 18.0182X	Page 1 of 4	Certificate history:
Status:	Current	Issue No: 1	Issue 0 (2019-03-29)
Date of Issue:	2021-06-02		
Applicant:	CMP Products Limited Unit 36 Nelson Way Nelson Park East Cramlington Northumberland NE23 1WH United Kingdom		
Equipment:	Type PX** Cable Glands		
Optional accessory:			
Type of Protection:	Flameproof "db", Increased Safety "eb", Dust Protection by Enclosure "ta", Non-Sparking "nR"		
Marking:	Ex eb I Mb* Ex db I Mb* Ex eb IIC Gb Ex db IIC Gb Ex ta IIIC Da Ex nR IIC Gc *Aluminium alloy is not acceptable for Group I applications -60°C to +85°C		
Approved for issue on behalf of the IECEx Certification Body:	S. Roumbedakis		
Position:	Technical Manager		
Signature: (for printed version)			
Date:	2021-06-02		
1. This certificate and schedule may only be reproduced in full. 2. This certificate is not transferable and remains the property of the issuing body. 3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.			
			
Certificate issued by: Eurofins E&E CML Limited Unit 1, Newport Business Park New Port Road Ellesmere Port, CH65 4LZ United Kingdom			
			

Figure 3.1 – IECEx page-1



IECEx Certificate of Conformity

Certificate No.: **IECEx CML 18.0182X**

Page 2 of 4

Date of issue: 2021-06-02

Issue No: 1

Manufacturer: **CMP Products Limited**
 Unit 36 Nelson Way
 Nelson Park East
 Cramlington
 Northumberland NE23 1WH
United Kingdom

Additional
 manufacturing
 locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
 Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
 Edition:7.0

IEC 60079-15:2017 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
 Edition:5.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
 Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
 Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/CML/ExTR19.0038/00](#)

[GB/CML/ExTR20.0196/00](#)

Quality Assessment Report:

[GB/CML/QAR19.0001/02](#)

Figure 3.2 – IECEx page-2

6 INMETRO Certificate of Conformity



Certificado de Conformidade

Certificate of Conformity

Certificado: TÜV 12.2073 X
Certificate

Revisão: 08
Review

Solicitante:
Applicant

CRAS AGROINDUSTRIA LTDA.
Est União e Indústria, 9153
25730-731 – Petrópolis – RJ
CNPJ: 14.777.639/0001-92

Fabricante:
Manufacturer

CMP PRODUCTS LTD.
36 Nelson Way, Nelson Park East, Cramlington,
Northumberland, NE23 1WH – UK

Fornecedor / Representante Legal:
Supplier / Legal Representative

Não aplicável
Not applicable

Modelo de Certificação:
Certification Model

Modelo de Certificação 5, conforme cláusula 6.1 do Regulamento de Avaliação de Conformidade, anexo à Portaria nº 115 do INMETRO, publicada em 21 de março de 2022.
Certification Model 5, according to clause 6.1 of the Conformity Assessment Regulation, attached to INMETRO's Ordinance # 115, published on March 21, 2022.

Regulamento / Normas:
Regulation / Standards

ABNT NBR IEC 60079-0:2020;
ABNT NBR IEC 60079-1:2016;
ABNT NBR IEC 60079-7:2018;
ABNT NBR IEC 60079-15:2019;
ABNT NBR IEC 60079-31:2014;
ABNT NBR IEC 60529:2017.
Portaria INMETRO nº 115 de 21/03/2022.
Decree INMETRO No. 115 dated 21/03/2022.

Produto:
Product

PRENSA-CABOS
CABLE GLAND
Certificação por família.
Certification by family.

Emissão e Validade:
Issued and Validity

Emissão em: 20/01/2009.
Issued on: 20/01/2009.
Esta revisão é válida de 07/03/2024 até 20/01/2028.
This revision is valid from 07/03/2024 to 20/01/2028.

Para confirmar sua autenticidade acesse <https://tuv.3ds.digital/check/708766187900693980>

A validade deste Certificado de Conformidade está atrelada à realização das atividades de manutenção, de acordo com os requisitos previstos no esquema de certificação específico. Para verificação da condição atualizada de regularidade deste Certificado de Conformidade, deve ser consultado o banco de dados de produtos e serviços certificados do Inmetro.

The validity of this Certificate of Conformity is conditioned to the execution of maintenance activities, in accordance with the applicable requirements of the specific certification scheme. To confirm the regularity status of this Certificate of Conformity, the Inmetro's database of certified products and services must be consulted.



Igor Moreno
Local Field Manager



Digitally signed by TÜV RHEINLAND DO BRASIL LTDA:
01950467000165
DN: c=BR, o=ICP-Brasil, st=SP, l=Sao Paulo, ou=Array,
cn=TÜV RHEINLAND DO BRASIL LTDA:01950467000165
Reason: Digital Signature
Location: Sao Paulo/SP/BR
Date: 07.03.2024 16:59:57 +0000



TÜV 12.2073 X – Revisão 08 – Página 1 de 9
Endereço Escritório: Avenida Francisco Matarazzo, 1400
Água Branca – São Paulo – SP – CEP: 05001-903
CNPJ: 01.950.467/0001-65 – Tel.: 55 11 3514.5700
<https://www.tuv.com/brasil/tvr/> - MS-0032142 Rev.10

Este documento é válido quando exibido com todas as suas páginas.
Informações adicionais estão contidas nas páginas subsequentes.
This document is valid when displayed with all its pages.
Further information are contained on the following pages.

Conforme art. 10, § 1º da Medida Provisória nº 2.200-2, de 24 de agosto de 2001, as declarações em forma eletrônica produzidas com a utilização de processo de Certificação Digital disponibilizado pela ICP-Brasil presumem-se verdadeiras em relação aos signatários, na forma do art. 2º da Lei nº 10.400, de 10 de janeiro de 2002 – Código Civil.

Figure 4.1 – INMETRO page-1



Certificado de Conformidade

Certificate of Conformity

Certificado: TÜV 12.2073 X
Certificate

Revisão: 08
Review

Item <i>Item</i>	Marca <i>Brand</i>	Modelo / Versão <i>Model / Version</i>	Descrição <i>Description</i>	Código de Barras GTIN <i>GTIN Barcode</i>
01	CMP	PX**	PRENSA-CABOS <i>CABLE GLAND</i>	Não existente <i>Not existent</i>

Laboratório, Relatório de Ensaio e Data:
Laboratory, Test Report and Date

CML B.V.
GB_CML_ExTR19.0038_00 – 03/2019;
GB_CML_ExTR20.0196_00 – 06/2021.

Relatório de Auditoria e Data:
Audit Report and Date

PO-0553-2020 - 16/11/2020.

Este certificado está vinculado ao projeto:
This certificate is related to project

P01235535

Especificações:
Description

A Linha PX de Prensa-Cabos de Barreira foi projetada para atmosferas explosivas consistindo de um componente de entrada frontal com rosca macho equipado com um tubo de barreira formando um espigão/junta combinada, que se destina a rosquear em um invólucro associado. O tubo de barreira pode ser preenchido com um composto de massa ou material de resina RapidEx, criando uma vedação de barreira à prova de explosão ao redor dos núcleos do cabo. Uma opção de O-Ring pode ser instalado na rosca de entrada do invólucro para fornecer uma grau de proteção mais elevado. Esta gama compreende os modelos PX2K, PXSS2K, PXRC, PXLt e PXB2K, com diversas variantes: W, X, HC, VAR, PB, FF, COMBO e REX. Consulte o fluxograma 'Código de designação de tipo' nas páginas 3 até 5 para combinações de variantes de modelo e 'Opções de projeto' para componentes adicionais específicos para cada modelo.

The PX Range of Barrier Cable Glands are designed for explosive atmospheres consisting of a male threaded front entry component and fitted with a barrier tube forming a spigot/combination joint, which is intended to screw into an entry point of an associated enclosure. The barrier tube can be filled with either, a putty compound or RapidEx resin material, creating a flameproof barrier seal around the cable cores. An optional O-Ring may be fitted to the enclosure entry thread to provide improved ingress protection. This range is comprised of the PX2K, PXSS2K, PXRC, PXLt, and PXB2K models, with a choice of variants; W, X, HC, VAR, PB, FF, COMBO and REX. See 'type designation code' flow chart on pages 3 to 5 for the model variant combinations and 'Design Options' for additional components specific to each model.

Para confirmar sua autenticidade acesse <https://tuv.3dds.digital/check/708768187900693980>

Confirme art. 10, § 1º, da Medida Provisória nº 2.200-2, de 24 de agosto de 2001, as designações em forma eletrônica produzidas com a utilização de processo de Certificação Digital disponibilizado pela ICP-Brasil, mediante as variações em relação sua assinatura, na forma do art. 2º, da Lei 10.406, de 09 de janeiro de 2002, Código Civil.

TÜV 12.2073 X – Revisão 08 – Página 2 de 3
Emissão em: 20/01/2020
Endereço (Escritório): Avenida Francisco Matarazzo, 1400
Água Branca – São Paulo – SP – CEP: 05001-903
CNPJ: 01.950.467/0001-65 – Tel.: SS 11.3514.5700
<https://www.tuv.com/brazil/vul> – MG-0032142 Rev. 10

Este documento é válido quando exibido com todas as suas páginas.
Informações adicionais estão contidas nas páginas subsequentes.
*This document is valid when displayed with all its pages.
Further information are contained on the following pages.*



Figure 4.2 – INMETRO page-2

7 EAC Certificate of Conformity

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ	
СЕРТИФИКАТ СООТВЕТСТВИЯ	
EAC	№ ЕАЭС RU C-GB.АД07.В.04595/22
Серия RU	№ 0278139
ОРГАН ПО СЕРТИФИКАЦИИ Орган по сертификации Общество с ограниченной ответственностью «Центр Сертификации «ВЕЛЕС». Место нахождения (адрес юридического лица): 195009, РОССИЯ, город Санкт-Петербург, улица Академика Лебедева, дом 12, корпус 2, литера А, этаж 2, комната 26. Адрес места осуществления деятельности: 195009, РОССИЯ, город Санкт-Петербург, улица Академика Лебедева, дом 12 корпус 2 литер А, помещения № 6-9. Уникальный номер записи об аккредитации в реестре аккредитованных лиц № RA.RU.10АД07. Дата решения об аккредитации: 24.03.2016. Телефон: +74952211810. Адрес электронной почты: info@velessert.ru	
ЗАЯВИТЕЛЬ ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ "СМП ПРОДАКТС" Место нахождения (адрес юридического лица) и адрес места осуществления деятельности: 115280, Россия, город Москва, улица Ленинская Слобода, дом 26, строение 28, этаж 1, помещение 1, комната 71 Основной государственный регистрационный номер 1167746785535 Телефон: 74993504367 Адрес электронной почты: russiaoffice@cmp-products.com	
ИЗГОТОВИТЕЛЬ «CMP Products Limited» Место нахождения (адрес юридического лица): Соединенное Королевство, Glasshouse Street, St Peters, Newcastle-Upon-Tyne, NE6 1BS Адрес места осуществления деятельности по изготовлению продукции: Соединенное Королевство, 36 Nelson Way, Nelson Park East, Cramlington NE23 1WH	
ПРОДУКЦИЯ Взрывозащищенные кабельные вводы, торговой марки CMP, типов PX2K, PX2K-REX, PX2KW, PX2KW-REX, PX2KX, PX2KX-REX, PXSS2K, PXSS2K-REX, PXSS2K-HC, PXSS2K-HC-REX, PXFC, PXFC-REX, PXRC, PXRC-REX Маркировка взрывозащиты согласно приложению (бланки №№ 0869469, 0869470). Продукция изготовлена в соответствии с Технической документацией изготовителя и Директивой 2014/34/EU. Серийный выпуск	
КОД ТН ВЭД ЕАЭС	8536901000
СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза "О безопасности оборудования для работы во взрывоопасных средах" (ТР ТС 012/2011)	
СЕРТИФИКАТ СООТВЕТСТВИЯ ВЫДАН НА ОСНОВАНИИ Протокола испытаний № 5308ИЛПМВ от 30.03.2022 года, выданного Испытательным центром Общества с ограниченной ответственностью «ПРОММАШ ТЕСТ» (уникальный номер записи об аккредитации в реестре аккредитованных лиц RA.RU.21BC05) акта анализа состояния производства от 15.12.2021 года, выданного Органом по сертификации Общество с ограниченной ответственностью «Центр Сертификации «ВЕЛЕС» Руководств по эксплуатации, комплект чертежей Схема сертификации: 1с	
ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Назначенный срок службы 30 лет, условия и сроки хранения согласно Руководству по эксплуатации. Анализ состояния производства проведен посредством дистанционной оценки. Выдан взамен № ЕАЭС RU C-GB.АД07.В.04505/22 дата выдачи 31.03.2022 год. Стандарты, обеспечивающие соблюдение требований Технического регламента Таможенного союза ТР ТС 012/2011 "О безопасности оборудования для работы во взрывоопасных средах": согласно приложениям - бланки №№ 0869469, 0869470.	
СРОК ДЕЙСТВИЯ С	20.04.2022
ПО	30.03.2027
ВКЛЮЧИТЕЛЬНО	
Руководитель (уполномоченное лицо) органа по сертификации Эксперт (эксперт-аудитор) (эксперты (эксперты-аудиторы))	Подпись:  (подпись) Подпись:  (подпись)
	Подпись:  (Ф.И.О.) Подпись:  (Ф.И.О.)
	

Figure 5.1 – EAC page-1

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ

ПРИЛОЖЕНИЕ

К СЕРТИФИКАТУ СООТВЕТСТВИЯ № ЕАЭС RU C-GB.АД07.В.04595/22

Серия **RU** № **0869469**

1. Назначение и область применения оборудования

Сертификат соответствия распространяется на взрывозащищенные кабельные вводы торговой марки CMP, типов PX2K, PX2K-REX, PX2KW, PX2KW-REX, PX2KX, PX2KX-REX, PXSS2K, PXSS2K-REX, PXSS2K-HC, PXSS2K-HC-REX, PXFC, PXFC-REX, PXRC, PXRC-REX далее – «Кабельные вводы», серийно выпускаемые по технической документации изготовителя в соответствии с Директивой 2014/34/EU.

Кабельные вводы предназначены для ввода гибких и бронированных кабелей в электрооборудование, применяемое во взрывоопасных зонах.

Область применения – подземные горные выработки шахт и рудников, а также их наземные строения, опасные по газу и/или пыли, взрывоопасные зоны классов 1, 2 по ГОСТ IEC 60079-10-1-2013 и 20, 21, 22 по ГОСТ IEC 60079-10-2-2011 помещений и наружных установок, в которых могут образовываться смеси, отнесенные к категориям IIA, IIB, IIC и IIIA, IIIB, IIIC в соответствии с присвоенной маркировкой взрывозащиты, указанной в таблице 2.1, инструкцией изготовителя по монтажу и эксплуатации, ГОСТ IEC 60079-14-2011 и другими нормативными документами, регламентирующими применение оборудования во взрывоопасных средах.

Структура условного обозначения кабельных вводов:

PX***

где:

- PX – серия кабельных вводов;
- * – 2K – набор с двумя коническими муфтами и универсальным бронированным рукавом для кабелей с индивидуальной оплеткой S.W.A., ленточной кабельной броней S.T.A., кабелей с узкополосной броней, с гибкой проволочной броней и кабелей с оплеткой;
- 2KW – с бронированной гладкой конической втулкой и универсальным бронированным рукавом для кабелей с индивидуальной оплеткой S.W.A.;
- 2KX – с бронированной конической втулкой с желобом и универсальным бронированным рукавом для кабелей с индивидуальной оплеткой S.W.A., ленточной кабельной броней S.T.A., кабелей с узкополосной броней, с гибкой проволочной броней и кабелей с оплеткой;
- SS2K – имеет дополнительный вариант изготовления фронтального элемента ввода, соединенного с основным корпусом;
- FC – для заделки кабелей с круглой оплеткой или небронированных кабелей и отдельных жил в оболочки, в элемент ввода, удерживающий составную трубу и распорную трубку, ввинчивается компрессионная гайка, муфта удерживается стопорным кольцом и обеспечивает соединение только с гибкими кабелями;
- RC – исполнение с фронтальным элементом ввода, соединенного со стационарной или подвижной муфтой и антифрикционной шайбой для использования с небронированными кабелями;
- * – модификация REX – оснащены системой герметизации смолой RapidEx;
- пусто – без модификации;
- * – модификация PB – оснащены узлом с альтернативной конической втулкой с дополнительным металлическим элементом для применения с кабелями с индивидуальной оплеткой с внутренним свинцовым покрытием и кабелей с оплеткой;
- модификация VAR – оснащены дополнительным металлическим устройством целостности для кабелей частотно-регулируемого привода (VSD)/преобразователя частоты (VFD);
- модификация FF – оснащение уплотнениями, подходящими для использования плоских кабелей;
- модификация HC – оснащены дополнительной внешней уплотнительной тайкой с креплением для гибких шлангов кабелей;
- TA – оснащены устройством целостности цепи для ленточных бронированных кабелей;
- пусто – без модификации.

2. Описание оборудования и средств обеспечения взрывозащиты

Кабельные вводы состоят из компонента с наружной резьбой на входе спереди и снабжены барьерной трубкой, образующей комбинированное соединение, которое предназначено для вкручивания в точку ввода соответствующего корпуса. Барьерная трубка может быть заполнена шпаклевкой или смоляным материалом RapidEx, создавая огнеупорное барьерное уплотнение вокруг жил кабеля. На резьбе входа в корпус установлено дополнительное уплотнительное кольцо для улучшения пылезащиты. В коде продукта это обозначено буквой «R», что означает, что установлено торцевое уплотнительное кольцо.

Кабельные вводы выполняются с метрической присоединительной резьбой M 20x1,5 – M 100x2,0. Кабельные вводы изготавливаются из латуни, алюминия, нержавеющей стали и низкоуглеродистой стали. Все детали, изготовленные из латуни, могут быть опционально никелированы. Все компоненты, изготовленные из низкоуглеродистой стали, могут быть дополнительно оцинкованы. Кабельные вводы из нержавеющей стали могут быть оснащены внутренними компонентами из никелированной латуни.

Таблица 2.1 - Технические характеристики кабельных вводов.

Наименование показателя	Значение
Маркировка взрывозащиты	☒ PB Ex db I Mb X ☒ PP Ex e I Mc X ☒ I Ex e IIC Gb X ☒ I Ex db IIC Gb X

Руководитель (уполномоченное
лицо) органа по сертификации

Эксперт (эксперт-аудитор)
(эксперты (эксперты-аудиторы))

Алико
(подпись)

Алико
(подпись)



Розанов Галина Александровна

(ф.и.о.)

Цыло Андрей Алексеевич

(ф.и.о.)

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ

ПРИЛОЖЕНИЕ

К СЕРТИФИКАТУ СООТВЕТСТВИЯ № ЕАЭС RU C-GB.AД07.B.04595/22

Серия **RU** № **0869470**

	☒ 2Ex nR IIC Ge X
	☒ Ex ta IIC Da X
Диапазон температур окружающей среды	от -60 до +85°C
Степень защиты от внешних воздействий по ГОСТ 14254-2015	IP66, IP67, IP68

* Примечание: Кабельные вводы из алюминия не применяются для подземных горных выработок шахт и рудников, а также их наземных строений, опасных по газу и/или пыли.

Взрывобезопасность кабельных вводов обеспечивается видами взрывозащиты «взрывонепроницаемая оболочка «d» по ГОСТ ИЕС 60079-1-2013, «оболочка с ограниченным пропуском газов «pR» по ГОСТ 31610.15-2014, «защита от воспламенения пыли оболочками «b» по ГОСТ ИЕС 60079-31-2013 и «повышенная защита вида «e» по ГОСТ Р МЭК 60079-7-2012, а также соблюдением общих требований к конструкции по ГОСТ 31610.0-2014 и ТР ТС 012/2011.

Данный сертификат соответствия подтверждает соответствие требованиям взрывобезопасности ТР ТС 012/2011 и не рассматривает любые другие виды безопасности при эксплуатации оборудования.

3. Взрывозащищенные кабельные вводы торговой марки СМР, типов PX2K, PX2K-REX, PX2KW, PX2KW-REX, PX2KX, PX2KX-REX, PXSS2K, PXSS2K-REX, PXSS2K-NC, PXSS2K-NC-REX, PXFC, PXFC-REX, PXRC, PXRC-REX

соответствуют требованиям:

ТР ТС 012/2011	Технический регламент Таможенного союза «О безопасности оборудования для работы во взрывоопасных средах».
ГОСТ 31610.0-2014 (ИЕС 60079-0:2011)	Взрывоопасные среды. Часть 0. Оборудование. Общие требования.
ГОСТ ИЕС 60079-1-2013	Взрывоопасные среды. Часть 1. Оборудование с видом взрывозащиты "взрывонепроницаемые оболочки "d".
ГОСТ Р МЭК 60079-7-2012	Взрывоопасные среды. Часть 7. Оборудование. Повышенная защита вида "e".
ГОСТ 31610.15-2014 (ИЕС 60079-15:2010)	Взрывоопасные среды. Часть 15. Оборудование с видом взрывозащиты "n".
ГОСТ ИЕС 60079-31-2013	Взрывоопасные среды. Часть 31. Оборудование с защитой от воспламенения пыли оболочками "t".

4. Маркировка

В маркировке, наносимой на изделие, должна быть отражена следующая информация:

- обозначение предприятия-изготовителя или его зарегистрированный товарный знак;
- обозначение типа оборудования;
- знак «X»;
- наименование или знак органа по сертификации и номер сертификата соответствия;
- единый знак ЕАС обращения продукции на рынке государств - членов Таможенного союза;
- специальный знак взрывобезопасности в соответствии с ТР ТС 012/2011;
- диапазон температур окружающей среды согласно таблице 2.1;
- остальную маркировку взрывозащиты согласно таблице 2.1 и другие данные, которые должен отразить изготовитель, если это требуется технической документацией, при наличии места.

5. Специальные условия применения

Знак «X» в маркировке взрывозащиты указывает на то, что оборудование имеет специальные условия применения, а именно:

- Кабельные вводы с входной резьбой меньше M25 не должны использоваться для подземных горных выработок шахт и рудников, а также их наземных строений, опасных по газу и/или пыли, где существует «высокий» риск механического повреждения;
- Уплотнения, используемые для заделки кабелей в оплетке, подходят только для стационарного оборудования. Кабели должны быть надежно закреплены в системе прокладки во избежание выдергивания или скручивания;
- При монтаже гибкого кабеля его надежно закрепляют, для предотвращения выдергивания или скручивания.

Руководитель (уполномоченное
лицо) органа по сертификации

Эксперт (эксперт-аудитор)
(эксперты (эксперты-аудиторы))

Глико
(подпись)

Или
(подпись)



Родивон Галина Александровна
(ф.и.о.)

Иатило Андрей Алексеевич
(ф.и.о.)

Figure 5.3 – EAC page-3

8 Bureau Veritas

Page 1 / 4

		Marine & Offshore	Certificate number: 43180/B0 BV
			File number: ACE14/929/1
			Product code: 2532H
			This certificate is not valid when presented without the full attached schedule composed of 7 sections
			www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to
CMP PRODUCTS LIMITED
 NEWCASTLE UPON TYNE - UNITED KINGDOM
for the type of product
CABLE PENETRATIONS, ENTRIES, TRANSIT DEVICES
 Hazardous Area Cable Glands, Adaptors/ Reducers and Stoppers.

Requirements:

BUREAU VERITAS Rules and Regulations for the Classification of Steel Ships, Naval vessels, Yachts and Offshore Units.

EC Code: 31S.

EN/IEC 60079-0 (2018), IEC 60079-1 (2014), EN/IEC 60079-7 (2018), IEC 60079-31 (2013), EN/IEC 60079-15 (2019).

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 05 Jul 2026

For Bureau Veritas Marine & Offshore,

At BV LONDON, on 05 Jul 2021,

Spencer Yule




This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarpm.com/veristamb/jsp/viewPublicPdfType.jsp?id=a0ynfccoyi>
 BV Mod. Ad.E 530 June 2017

This certificate consists of 4 page(s)

Figure 6.1 – Bureau Veritas page-1

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Hazardous Area Cable Glands, Adaptors/ Reducers and Stoppers for Marine applications.

1.1 - Approval range & Ex marking:

Type	Ex marking
737, 747, 757, 767, 787, 797	I M2, II 2G, II 1D, Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
717, 717E, 717e	II 2G, II 1D, Ex eb IIC Gb, Ex ta IIIC Da
A2E	II 2G, II 1D, II 3G, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
A2E100	I M2, II 2G, II 1D, II 3G, Ex eb I Mb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
A2F100	I M2, II 2G, II 1D, II 3G, Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
A2F, A2FRC	II 2G, II 1D, II 3G, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
C2K, C2KX, CWc, CXc	II 2G, II 1D, Ex eb IIC Gb, Ex ta IIIC Da
E1FU, E1FW, E1FX, E2FU, E2FW, E2FX	I M2, II 2G, II 1D, II 3G, Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
PX2K, PX2KPB, PX2KPBREX, PX2KREX, PX2KW, PX2KWREX, PX2KX, PX2KXREX, PXSS2K, PXSS2KREX	I M2, II 2G, II 1D, II 3G, Ex eb I Mb, Ex db I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
SS2K, SS2KPB	I M2, II 2G, II 1D, II 3G, Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
T3CDS, T3CDSPB	I M2, II 2G, II 1D, II 3G, Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
TE1FU	II 2G, II 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
TC	II 2G, II 1D, Ex eb IIC Gb, Ex ta IIIC Da
TMC	II 2G, II 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
TMCX	II 2G, II 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
TMC2	II 2G, II 1D, Ex eb IIC Gb, Ex ta IIIC Da
TMC2X	II 2G, II 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
TSPc, TSMc, TSXc, TSZc	II 2G, II 1D, Ex eb IIC Gb, Ex ta IIIC Da
777, 781D, 781E	II 2G, II 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
787, 783, 793	I M2, II 2G, II 1D, Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
(PX)780, (PX)784, (PX)789	I M2, II 2G, II 1D, Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da

2. DOCUMENTS AND DRAWINGS :

Binder of specifications provided by the manufacturer ref. BV_TA_CMP_01, dated 14.Jan.2016.

Specification N° BVRD01, rev.0, dated 04 Mar 2021.

 The electronic version is available at: <http://www.veristarpn.com/veristamb/jsp/viewPublicPdfTypepec.jsp?id=a0ynfccoyi>

BV Mod. Ad.E 530 June 2017

This certificate consists of 4 page(s)

Figure 6.2 – Bureau Veritas page-2

4. APPLICATION / LIMITATION:
4.1 - BUREAU VERITAS Rules and Regulations for the Classification of Steel Ships, Naval Ships, Yachts and Offshore Units.
4.2 - BUREAU VERITAS Environmental Category, EC Code: 318.
4.3 - Exemption is not covered by this certificate. Applications in hazardous areas are to be approved in each case according to the Rules and Conditions for Safe Use specified in a valid Ex Certificate issued by a Notified or Recognised Certification Body.

5. PRODUCTION SURVEY REQUIREMENTS:
5.1 - The above products are to be supplied by **CMP PRODUCTS LIMITED** in compliance with the type described in this certificate.
5.2 - This type of product is within the category HBV of Bureau Veritas Rule NR120 and as such does not require a BV product certificate.
5.3 - **CMP PRODUCTS LIMITED** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.
5.4 - For information, **CMP PRODUCTS LIMITED** has declared to Bureau Veritas the following production site:
CMP PRODUCTS LIMITED
Newcastle
Newcastle Road
CRAMINGTON
UNITED KINGDOM

6. MARKING OF PRODUCT:
6.1 - Trade name.
6.2 - Date of manufacture and serial number.
6.3 - Equipment type or model identification under which it was type-tested
6.4 - Ex marking, as relevant.

7. OTHERS:
7.1 - It is **CMP PRODUCTS LIMITED's** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
7.2 - This certificate supersedes the Type Approval Certificate No. 43180/Al BV issued on 04 Mar 2016 by the Society.

--- END OF CERTIFICATE ---

Figure 6.3 – Bureau Veritas page-3

3. TEST REPORTS:
MS TESTING:
- Test report No. TL15119, dated 11 Jan. 2016.
- Test report No. TL15119-S Issue 2, dated 03 Feb. 2016.
CML EX:
- Test certificate No. CML 18ATEX1320X, Iss. 0.
- Test certificate No. CML 20ATEX304X, Iss. 0.
- Test certificate No. CML 18ATEX1321X, Iss. 1.
- Test certificate No. CML 18ATEX4313X, Iss. 1.
- Test certificate No. CML 18ATEX3309, Iss. 0.
- Test certificate No. CML 18ATEX4311, Iss. 1.
- Test certificate No. CML 18ATEX1323X, Iss. 0.
- Test certificate No. CML 18ATEX1324X, Iss. 0.
- Test certificate No. CML 18ATEX4316X, Iss. 0.
- Test certificate No. CML 18ATEX1325X, Iss. 0.
- Test certificate No. CML 18ATEX4317X, Iss. 0.
- Test certificate No. CML 18ATEX1322X, Iss. 1.
- Test certificate No. CML 18ATEX4319X, Iss. 1.
- Test certificate No. CML 18ATEX1326X, Iss. 0.
- Test certificate No. CML 18ATEX4318X, Iss. 0.
- Test certificate No. CML 18ATEX1327X, Iss. 1.
- Test certificate No. CML 18ATEX1343X, Iss. 0.
- Test certificate No. CML 18ATEX1347X, Iss. 1.
- Test certificate No. CML 18ATEX1348X, Iss. 0.
- Test certificate No. CML 18ATEX1349U, Iss. 0.
- Test certificate No. CML 18ATEX1350U, Iss. 0.
- Test certificate No. CML 18ATEX1327X, Iss. 1.
- Test certificate No. CML 18ATEX1329U, Iss. 1.
- Test certificate No. CML 18ATEX4311, Iss. 1.
- Test certificate No. CML 18ATEX1352X, Iss. 0.
- Test report No. R12060C/00, dated Mar 2018.
- Test report No. R12060C/00, dated Mar 2019.
- Test report No. R12060G/00, dated Mar 2019.
- Test report No. R12382A/00, dated Aug 2019.
- Test report No. R12905A/00, dated Nov 2019.
- Test report No. R12735A/00, dated Jan 2020.
- Test report No. R12922A/00, dated Jan 2020.
- Test report No. R12735E/00, dated Mar 2020.
- Test report No. R13116A/00, dated May 2020.
- Test report No. R13115A/00, dated Jul 2020.

Figure 6.4 – Bureau Veritas page-4

9 Support / Contact

If you have any questions or need our support, please contact us:

Mail: support@samcon.eu

SAMCON GmbH
Schillerstraße 17
35102 Lohra-Altenvers

T: +49 6426 9231- 0

F: +49 6426 9231-31

<https://www.samcon.eu/en/contact/>



design: carson.gre@liquiverse.com
printed in germany



SAMCON
Prozessleittechnik GmbH

Schillerstrasse 17, 35102 Lohra-Altenvers
www.samcon.eu, info@samcon.eu
fon: +49 6426 9231-0, fax: - 31