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Explosion Prevention Services (if if) Exc Fax: +27 (if) 316 5670 Rea No: 1999/027771/07 E-mail: admin-mgr@explolabs.co.za GOVERNMENT APPROVED TEST LABORATORY IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS" IA CERTIFICATE Date Issued: 19 Mar 2024 *Expiry date: 26 Jan 2027 Page 1 of 3 Issue: 2								
		IA CERTIFICATE	Date Issued: *Expiry date:	19 Mar 2024 26 Jan 2027 Page 1 of 3				
	e Examinatio	n Certificate		Issue: 2				
Certificate Equipment	Number: t:	S-XPL/21.0012 U Range of Insulated Adaptors Type 777 CMP Products Limited						
		Glasshouse Street St Peters Newcastle Upon Tyne						
Manufactu	rer:	NE6 1BS United Kingdom CMP Products Limited	on include and evolve date	and all carial				
Manufacturer: Serial No: CMP Products Limited All serial numbers imported between issued- and expire date and all serial numbers covered by a valid report or acceptable product certification mark. Supplied by CMP Products Limited Identified by Inspection Authority number								
Provide the second s		Supplied by						
CMP Products Limited Identified by Inspection Authority number S-XPL/21.0012 U								
And as described in the Explolabs file number XPL/21804/21.0012 is hereby <u>certified "Explosion Protected</u> (Refer to clause 1, for Ex Rating)", having been examined and inspected in accordance with the relevant requirements of South African Standards.								
SANS 60079-0: 2019 Ed 6 IEC 60079-0: 2017 Ed 7 Explosive atmospheres Part 0: Equipment — General requirements								
	79-1: 2015 Ed 5 1: 2014 Ed 7							
1	79-7: 2023 Ed 4 7: 2017 Ed 5.1	.1 Explosive atmospheres Part 7: Ed "e"	quipment protection by inc	reased safety "				
IEC 60079-7: 2017 Ed 5.1 "e" SANS 60079-31: 2014 Ed 2 Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t" Risk of ignition provided:								
Protection afforded	Equipment Protection Level (EPL) Group	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)				
High	Gb Group II	Suitable for normal operation and frequently occurring disturbances or equipment where faults are normally taken into account	Equipment remains functioning in zones 1 and 2	Not Applicable				
Very high	Da Group III	Two independent means of protection or safe even when two faults occur	Equipment remains functioning in zones 20,	Not Applicable				

DOCUMENT No: XPL0213 RELEASE DATE: 29/05/2018 REV : 7

ADS



The marking of the Range of Insulated Adaptors shall include the following: Ex db IIC Gb Ex eb IIC Gb Ex ta IIIC Da

The Type 777 Range adaptors consists of three parts: a metallic front portion that forms a threaded entry into the equipment, a non-metallic insulator and a metallic rear section that accommodates a gland. An optional variant has the metallic rear section replaced by a complete CMP cable gland which can be supplied separately.

Note that these adaptors when used in flameproof enclosures shall not be used in conjunction with a blanking device, in addition, only one adaptor shall be installed in any one cable entry.

Material of manufacture:

The standard material supplied is:

BS EN 12164:2011/ BS EN 12168:2011 Grade CZn39Pb3 (CW614N)				
ted to a				

Alternate materials are:

Stainless Steel	BS EN 10088-3:2014 Grades 316S13, 316S13, 316S31,316S33, 316L
Mild Steel	BS EN 10088-3:2014 Grades 220M07, 230M07 (EN1A) /
	220M07Pb,230M0M07Pb)
Aluminium	BS EN 573-3:2013 / BS EN 755-1-3:2008 Grade 6082 T6, 6262 T6 / BS EN1676:2010 Grade LM25 TF

Alternative entry component thread forms:

Metric	ISO 965-1, ISO 965-3 Medium fit (6g) for external threads
ET (Conduit)	BS31:1940 (1940), Table A
PG	DIN 40430:1971
BSPP	BS2779:1986 class A full form for external threads
BSPT	BS21:1985 standard threads only as clause 5.4, gauging to clause 5.2 system A
ISO	ISO 7/1:1994, gauging to ISO 7/2 clause 6.3 for external threads
NPT	ANSI/ASME B1.20.1-2013 gauging to clause 3.2 for external threads
NPSM	ANSI/ASME B1.20.1 – 2013 gauging to clause 6.4 for external threads

Threads size combinations:

Available threads sizes								
Female	M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 x 1.5	M75 x 1.5	M90 x 2
Male	M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 x 1.5	M75 x 1.5	M90 x 2

Alternative combinations of male and female thread sizes can be used; however, the female thread size can only be the same or one size larger than the male thread size.

Notes:

•Sira 10ATEX1057U and IECEx SIR 10.0027U is superseded by this certificate.

•The product covered by Issue 0 of this certificate remains identical to that previously covered by Sira 10ATEX1057U and IECEx SIR 10.0027U.

•Where Sira 10ATEX1057U and/or IECEx SIR 10.0027U is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

Based on the following documentation: IECEx CML 18.0185U. Issue 0.

INSTALLATION INSTRUCTIONS

It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.

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0		ANNEX TO CERTIFICATE NO S-XPL/21.0012 U PAGE 3 OF 3	6
<u>a</u> 3.	SPECI/	AL CONDITIONS FOR SAFE USE (denoted by "X" after certificate number)	LADS
3	None.		
2 4.	SCHED	DULE OF LIMITATIONS (denoted by "U" after certificate number)	D
P	The foll	owing conditions relate to safe installation and / or use of the equipment.	8
3			
ğ	Ι.	The type 777 range of insulated adaptors shall be used in enclosures where the	6
j.		temperature, at the point of mounting, is outside the range of -60° C to + 130 °C.	Sam
	II.	Based on the smallest male or female thread size used in the construction of the Type 777	
N		Insulated Adaptor that they are installing, the following table shall be used by the installer to	
		determine the maximum, applicable tightening torque and, when the adaptor is being	MAK
()		assembled and fitted into associated equipment, this torque shall not be exceeded.	3

Smallest male or female thread size	M20	M25	M32	M40	M50	M63	M75	M90
Maximum tightening torque (NM)	40	55	65	80	100	115	140	180

CONDITIONS OF CERTIFICATION

All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

MARKING

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The following (or similar) information have to be clearly and permanently marked on all units:

Supplier	: CMP Products Limited
Manufacturer	: CMP Products Limited
Equipment	: Range of Insulated Adaptors
Model/Type	: Type 777
Serial No.	:
Ex Rating	: Ex db IIC Gb
	Ex eb IIC Gb
	Ex ta IIIC Da
IA Certificate No	: S-XPL/21.0012 U

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

SANS 10086 and IEC/SANS 61241-14 requirements as applicable;

Any conditions mentioned in the above report;

Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and

Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health 🍻 and Safety.

A revision certificate replaces all previous version of the certificate. * - Only covers equipment Imported between the "Issued" and "Expire" dates.

If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd

Responsible Testing Officer:

D Maree **Technical Specialist** EXPLOLABS EXPLOSION PREVENTION SERVICES

This report/certificate shall not be reproduced except in full without the written approval of the company Explolabs (Pty) Ltd shall not be liable for

any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd