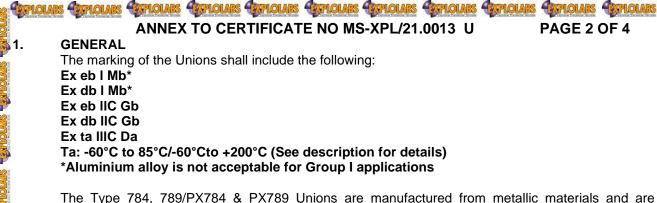
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ETIONS (								
			IA CERTIFICATE					
STHOLDS				Date Issued: *Expiry date:	19 Mar 2024 26 Jan 2027 Page 1 of 4 Issue: 2			
	Ex – Type	e Examinatio	n Certificate		issue. 2			
10I	Certificate	Number:	MS-XPL/21.0013 U					
EPHOLAS EPHOLAS	Equipment Model / Ty Applicant:		Unions 784, 789/PX784, PX789 CMP Products Limited					
			Glasshouse Street		and the second se			
SUNO			St Peters Newcastle Upon Tyne					
			NE6 1BS United Kingdom		8			
S	Manufactu	rer:	CMP Products Limited					
PLOUNS CEMOLAS	Serial No:		All serial numbers imported betwe numbers covered by a valid report		ication mark.			
SIALS			Supplied by					
<b>Mag</b>			CMP Products Limited Identified by Inspection Authorit		80 C			
8			MS-XPL/21.0013 U	y number				
Plou					and a second			
	And as described in the Explolabs file number <b>XPL/21804/21.0013</b> 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.							
OL	·							
<b>NALS</b>		9-0: 2019 Ed 6 0: 2017 Ed 7	Explosive atmospheres Part 0: Eq	uipment — General require	- Harris			
N Carlo		9-1: 2015 Ed 5 1: 2014 Ed 7	Explosive atmospheres Part 1: enclosures "d"	Equipment protection b	y flameproof			
APIOIA		9-7: 2023 Ed 4 7: 2017 Ed 5.1	.1 Explosive atmospheres Part 7: E "e"	quipment protection by inc	reased safety protection by			
IOLANS		9-31: 2014 Ed 31: 2013 Ed 2	2 Explosive atmospheres Part 31: enclosure "t"	Equipment dust ignition	protection by			
P		on provided:						
<b>STHOLDS</b>	Protection	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)			
	afforded		1					
	afforded	Group	Suitable for normal	Equipment de-energized				
	High	Group Mb Group I	Suitable for normal operation and severe operating conditions	Equipment de-energized when explosive atmosphere present	Not Applicable			
TENOLAS EPIOLAS		Mb	operation and severe operating	when explosive	Not Applicable			

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The Type 784, 789/PX784 & PX789 Unions are manufactured from metallic materials and are intended for in-line connection of male to female, male to male or female to female threads when conventional adaptors/reducers are impractical. Additionally, they may be used to convert an existing cable entry aperture to a different threadform and /or size. Each union comprises two parts held together with a nut. The interface between the two parts being a serrated face which forms a flamepath when the nut is fully tightened. The union is designed such that connection at both ends is achieved without twisting the associated cable.

## **Design Options:**

## Type 784 & PX784 Unions

The 784 & PX784 Unions are 45°C angled union adaptors and have an alternative immediate angled section.

## Type 789 & PX789 Unions

The 789 & PX789 Unions are 90°C angled union adaptors and have an alternative immediate angled section.

# Type 784 Unions

The type 784 Unions are intended for in-line connection of male to female, male to male or female to female threads when conventional adaptor/reducers are impractical. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Each union comprises two parts held together with a nut. The interface between the two parts is a serrated face which forms a flamepath when the nut is tightened. The union is designed such that connection at both ends is achieved without twisting the cable. Ambient -60°C to +200°C.

## PX789 Unions

The PX789 Unions are a barrier seal version of the union and have an alternative thread entry internal arrangement, which includes and addition compound tube, resin dam and compression washer. The compound tube is filled with a sealing compound that provides a flameproof seal around the cable core passing through it. When the barrier seal is used the ambient is restricted to - 60°C to +85°C.

## Available sizes

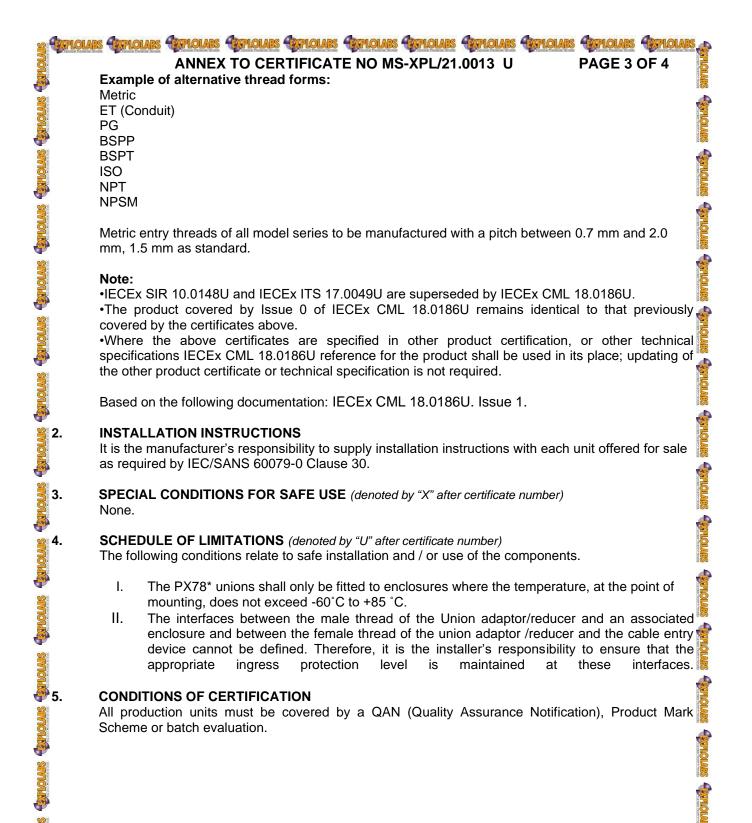
Thread forms are between M20 to 100 (or equivalent per the list below).

Rear thread 'B' for any given is permitted to be maximum of one step in thread size larger than front thread 'C'. there is no limitation on how small rear thread size 'B' is in comparison to front thread 'C'.

## Materials of manufacture:

The Type 784, 789/PX784 & PX789 Unions are manufactured in brass. Aluminium, Mild steel and stainless steel. All brass manufactured parts can be optionally nickel plated. All mild steel manufactured parts can be optionally zinc plated.

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MOLUE	AN	NEX TO CERTIFICATE NO MS-XPL/21.0013 U PAGE 4 OF 4	SUVIOINS.			
	6. MARKING					
The following (or similar) information have to be clearly and permanently marked on all units:						
ž	Supplier	: CMP Products Limited	0			
P	Manufacturer	: CMP Products Limited	Z			
3	Equipment	: Unions				
MOUN	Model/Type	: 784, 789/PX784, PX789	6			
	Serial No.	:				
<b>√</b>	Ex Rating	: Ex eb I Mb*				
3		Ex db I Mb*	16.0.0			
2		Ex eb IIC Gb	0			
P		Ex db IIC Gb	3			
8		Ex ta IIIC Da				
8		Ta: -60°C to 85°C/-60°Cto +200°C (See description for details)	б			
E		*Aluminium alloy is not acceptable for Group I applications	P.S.			
	IA Certificate No	: MS-XPL/21.0013 U				
Š			50			
0		ce with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided				
ð	that the apparatus is used as relevant in accordance with: i) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;					
8	i) Any conditions mentioned in the above report;					
M	<li>iii) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and</li>					
July Contraction	iv) Any restrictions and cor and Safety	ditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health				

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:**

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#### 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