



国家防爆

Certificate number: CNEx21.3392X

## Electrical Apparatus for Explosive Atmospheres

# CERTIFICATE OF CONFORMITY

**Manufacturer** CCG Cable Terminations (Pty) Ltd  
33-37 Forge Road, Spartan Industrial Area, Kempton Park 1619, South Africa

**Product** Blanking Plugs

**Type** PFGZZZER

**Marking** Ex d IIC Gb/ Ex d I Mb/ Ex e IIC Gb/ Ex e I Mb/ Ex tD A21 IP65/IP66/IP67/IP68

**Standard(s)** —

**Drawing No.** PSN012E TO PSN004E PSN012ER TO PSN004ER, PSM016E - PSM130E and  
PSM016ER - PSM130ER, PSM016E-PSM100E PSM016ER-PSM100ER, PHN012E TO  
PHN004E, PHM016E - PHM130E, PHM016E - PHM100E, PDN012E TO PDN004E,  
PDM016E TO PDM130E, PDM016E TO PDM100E

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010	Explosive atmospheres - Part 1: Equipment - General requirements
GB 3836.2-2010	Explosive atmospheres - Part 2: Equipment protection by flameproof enclosures "d"
GB 3836.3-2010	Explosive atmospheres - Part 3: Equipment protection by increased safety "e"
GB12476.1-2013	Electrical apparatus for use in the presence of combustible dust - Part 1: General requirements
GB12476.5-2013	Electrical apparatus for use in the presence of combustible dust - Part 5: Protection by enclosure "tD"

**Note:**

See Annex (3 page in total).

**Director**

**Date:**

2021-8-30

**Valid until:**

2026-8-29



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTER  
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China

Tel: 0377-63258564 Fax: 0377-63208175 Web: www.china-ex.com

Note: This certificate is only valid for products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s). 登录网站 输入数码 查询防伪 3228 2418 8270 2022





国家防爆

# Electrical Apparatus for Explosive Atmospheres

## CERTIFICATE OF CONFORMITY

Page 1 of 3

This product has been certified, under certificate number IECEx CML 16.0062X, issue 3, dated 2020-02-28 and Test report GB/CML/ExTR20.0053/00 dated 2020-02.

### Product Description:

The main material of the product is stainless steel, brass (nickel-plated), etc., and the protection level is IP65/66/67/68 (2m/continuous).

### Type designation:

- PFGZZZER

The following details the Model Nomenclature:

Product Name		Model Nomenclature
Threaded Blanking Plugs		PFGZZZER
P	=	PLUG (Blanking element)
F	=	TYPE S = STOPPER D = DOME HEAD H = HEX HEAD
G	=	THREADFORM M = METRIC N = NPT
ZZZ	=	THREAD SIZE
E	=	Ex COMPONENT
R	=	REVERS SIDE ENTRY

Where the thread size coding is as follows:

Metric sizes		NPT sizes	
016 = M16	020 = M20	012 = 1/2"	034 = 3/4"
025 = M25	032 = M32	001 = 1"	114 = 1 1/4"
040 = M40	050 = M50	112 = 1 1/2"	002 = 2"
063 = M63	075 = M75	212 = 2 1/2"	003 = 3"
080 = M80	090 = M90	312 = 3 1/2"	004 = 4"
100 = M100	110 = M110	--	
120 = M120	130 = M130	--	

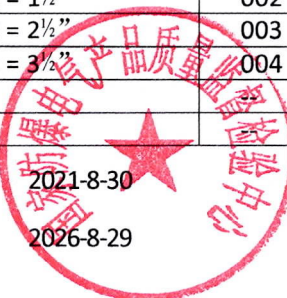
Director

Date:

2021-8-30

Valid until:

2026-8-29



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTER  
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China

Tel: 0377-63258564 Fax: 0377-63208175 Web: www.china-ex.com

Note: This certificate is only valid for products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).





国家防爆

# Electrical Apparatus for Explosive Atmospheres

## CERTIFICATE OF CONFORMITY

Page 2 of 3

For metric threads the pitch is:

M75 and smaller has 1.5mm pitch (minimum thread length 12mm) as standard with an optional pitch of 2mm (minimum thread length 16mm) ;

M80 and larger has 2 mm pitch (minimum thread length 16mm) as standard with an optional pitch of 1.5mm (minimum thread length 12mm).

*Note: Intermediate metric thread sizes are allowed and use the same format of product and size coding, e.g. 033 = M33*

The devices are manufactured from brass (nickel plated), stainless steel, mild steel, aluminium or bronze. A non-metallic washer/gasket may be utilised on all non-tapered threads to ensure IP66/67/68 (2 m cont.) ratings. The devices maintain an IP65 rating with no washer fitted.

The aluminium blanking plugs shall not be marked for Group I.

The size and thread forms are shown in Table below:

Hex. head		Dome head		Stopper (External Hex. Keyway)		Stopper (Internal. Hex. Keyway)	
Metric	NPT	Metric	NPT	Metric	NPT	Metric	NPT
M16	½"	M16	½"	M16	½"	M16	½"
M20	¾"	M20	¾"	M20	¾"	M20	¾"
M25	1"	M25	1"	M25	1"	M25	1"
M32	1¼"	M32	1¼"	M32	1¼"	M32	1¼"
M40	1½"	M40	1½"	M40	1½"	M40	1½"
M50	2"	M50	2"	M50	2"	M50	2"
M63	2½"	M63	2½"	M63	2½"	M63	2½"
M75	3"	M75	3"	M75	3"	M75	3"
M80	3½"	M80	3½"	M80	3½"	M80	3½"
M90	4"	M90	4"	M90	4"	M90	4"
M100	-	M100	-	M100	-	M100	-
M110	-	M110	-	M110	-	M110	-
M120	-	M120	-	M120	-	M120	-
M130	-	M130	-	M130	-	M130	-

Director

Date:

2021-8-30

Valid until:

2026-8-29



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTER  
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China

Tel: 0377-63258564 Fax: 0377-63208175 Web: www.china-ex.com

Note: This certificate is only valid for products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).





国家防爆

Certificate number: CNEx21.3392X

## Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY

Page 3 of 3

Ex marking: Ex d IIC Gb/ Ex d I Mb/ Ex e IIC Gb/ Ex e I Mb/ Ex tD A21 IP65/IP66/IP67/IP68

IP degree: IP65/IP65/IP67/IP68 (2m/cont)

### Specific conditions of safety use:

- All units are rated IP65 for any sealing arrangement. Units with parallel threads shall be used with the supplied washer if an IP rating of IP66/67/68 is required. Thread sealing in accordance with the requirements of GB/T3836.15 may be adopted for units with tapered threads.
- When used in Ex d applications, the blanking plugs shall not be used in conjunction with any other cable or entry device.
- When supplied with a washer/gasket, the following service temperatures apply:
  - HDPE gasket - Tservice = -60°C to +95°C
  - Nylon gasket - Tservice = -60°C to +100°C
  - PTFE gasket - Tservice = -60°C to +160°C

Director

Date:

2021-8-30

Valid until:

2026-8-29



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTER  
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China

Tel: 0377-63258564 Fax: 0377-63208175 Web: www.china-ex.com

Note: This certificate is only valid for products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s). 登录网站 输入数码 查询防伪 2918 1395 1214 2908