



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000390

Applicant CCG Cable Terminations (Pty) Ltd
Address 33-37 Forge Road, Spartan Industrial Area, Kempton Park 1619, South Africa
Manufacturer CCG Cable Terminations (Pty) Ltd
Address 33-37 Forge Road, Spartan Industrial Area, Kempton Park 1619, South Africa
Production Factory CCG Cable Terminations (Pty) Ltd
Production Address 33-37 Forge Road, Spartan Industrial Area, Kempton Park 1619, South Africa
Product Blanking Plugs
Model/Type PFGZZZER
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
Reference Standards GB3836.1-2010, GB3836.2-2010, GB3836.3-2010, GB12476.1-2013, GB12476.5-2013

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEC-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages)

Issued on: 2021-06-02

Valid to: 2026-06-01

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co.,Ltd.



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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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Product information:

1. This certificate covers the following models:

- 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	--	--

For metric threads the pitch is:

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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	-

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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)

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. 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 - T_{service} = -60°C to +95°C

Nylon gasket - T_{service} = -60°C to +100°C

PTFE gasket - T_{service} = -60°C to +160°C

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2102C049

- Factory inspection report: CN2021Q010186

4. Certificate change information: None

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