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 TUR 20.0072X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2021-02-24		
Applicant:	**WAROM TECHNOLOGY INCORPORATED COMPANY** No.555, Baoqian Road, Jiading, Shanghai **China**		
Equipment:	**Explosion-proof cable gland / Type(s): DQM-CF series**		
Optional accessory:			
Type of Protection:	**Flameproof enclosure "db", Increased safety "eb" and Equipment dust ignition protection by enclosure "tb"**		
Marking:	**Ex db IIC Gb** (only for M and NPT thread) **Ex eb IIC Gb** **Ex tb IIIC Db**		

Approved for issue on behalf of the IECEx Certification Body: **Dipl.-Ing. He Mei**

Position: **Assigned certifier**

Signature: (for printed version) He Mei

Date: 2021-02-24

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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

TÜVRheinland

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Date of issue: 2021-02-24 Issue No: 0

Manufacturer: **WAROM TECHNOLOGY INCORPORATED COMPANY**
No.555, Baoqian Road, Jiading, Shanghai
China

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 60079-31:2013 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 Report:

DE/TUR/ExTR20.0072/00

Quality Assessment Report:

CN/CQM/QAR07.0003/10

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Explosion-proof cable gland

Type(s): DQM-CF series

The DQM-CF Explosion-proof cable glands is a device to make the Ex cables introduced to other Ex-proof enclosure, composed of connector, middle connector, nut, armor clamping device, sealing and clamping component and diaphragm seal component, and the main body can be brass (H59), stainless steel (304), stainless steel (316), and stainless steel (316L). The thread connecting the connector and the enclosure is flameproof thread (M thread and NPT thread). The DQM-CF Explosion-proof cable glands is equipped with armor clamping device, sealing and clamping component and diaphragm seal component. After the armored cable with the corresponding outer diameter passes the cable gland, the diaphragm seal assembly will clamp and seal the inner sheath of the cable. Tighten the middle joint and nut to press the armor lamping device to clamp the armor layer. Tighten the nut and compress the sealing assembly to clamp and seal the outer sheath of the cable. Thus clamping cable armor layer and sealing cable sheath layer.

The clamping and sealing of the diaphragm seal assembly to the inner sheath layer use the continuous contraction force generated by the natural contraction of the rubber seal ring. The contraction force is more uniform than the mechanical clamping force, and its deformation force to cable is smaller, which is especially suitable for cables exhibit significant cold flow characteristics.

The Explosion-proof cable glands are classified into two types according to nuts: cable wiring and steel pipe wiring.

Suit for explosive atmosphere zone 1, zone 2, zone 21 and zone 22; applicable to IIC gas zone and IIIC dust zone.

Environmental data

Service temperature: -60°C to +90°C

Ingress protection: IP66

SPECIFIC CONDITIONS OF USE: YES as shown below:
1. Service temperature: -60 to +90°C.

2. When assembly, operation and installation, the operator must follow the requirements of the IEC 60079-14: latest version Explosive atmospheres- Part 14: Electrical installations design, selection and erection, beside of the manufacturer's operating instructions or its National equivalent. Meanwhile, also need to follow the user manual strictly for the installation.

3. Repair and overhaul shall comply with IEC 60079-19: latest version or its National equivalent.

Annex:

DE-IECEx_TUR_20.0072_00_Attachment.pdf

Attachment to Certificate IECEx TUR 20.0072 X

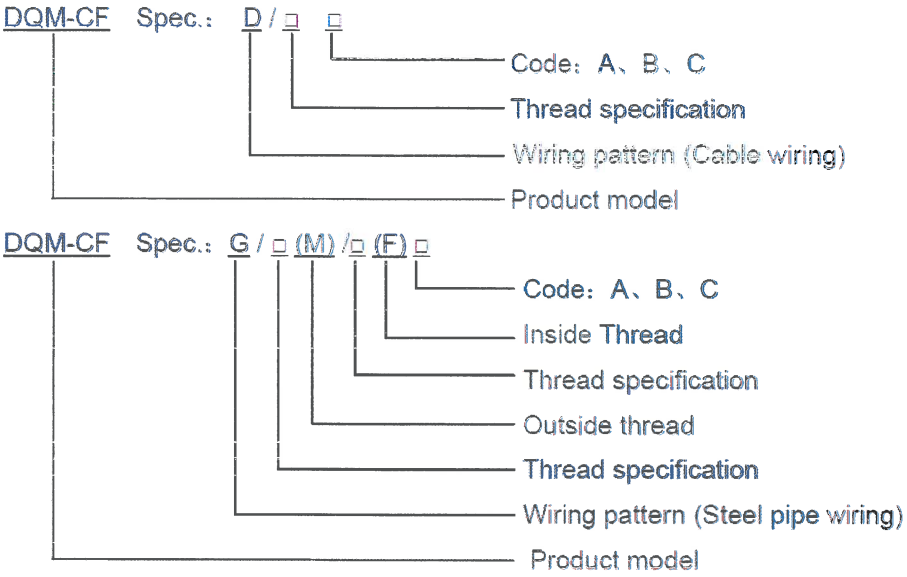
Device: **Explosion-proof cable gland**
Type(s): DQM-CF series

Manufacturer: **WAROM TECHNOLOGY INCORPORATED COMPANY**

Address: **No.555, Baoqian Road, Jiading, Shanghai, China**

General product information:
The DQM-CF Explosion-proof cable glands is a device to make the Ex cables introduced to other Ex-proof enclosure, composed of connector, middle connector, nut, armor clamping device, sealing and clamping component and diaphragm seal component, and the main body can be brass (H59), stainless steel (304), stainless steel (316), and stainless steel (316L). The thread connecting the connector and the enclosure is flameproof thread (M thread and NPT thread). The DQM-CF Explosion-proof cable glands is equipped with armor clamping device, sealing and clamping component and diaphragm seal component. After the armored cable with the corresponding outer diameter passes the cable gland, the diaphragm seal assembly will clamp and seal the inner sheath of the cable. Tighten the middle joint and nut to press the armor lamping device to clamp the armor layer. Tighten the nut and compress the sealing assembly to clamp and seal the outer sheath of the cable. Thus clamping cable armor layer and sealing cable sheath layer.
The clamping and sealing of the diaphragm seal assembly to the inner sheath layer use the continuous contraction force generated by the natural contraction of the rubber seal ring. The contraction force is more uniform than the mechanical clamping force, and its deformation force to cable is smaller, which is especially suitable for cables exhibit significant cold flow characteristics.
The Explosion-proof cable glands are classified into two types according to nuts: cable wiring and steel pipe wiring.
Suit for explosive atmosphere zone 1, zone 2, zone 21 and zone 22; applicable to IIC gas zone and IIIC dust zone.

This report covers the following types:



Product Model	Ex-mark	Thread specification	Level of protection	Cable type	Wiring pattern	Material
DQM-CF	Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	M20×1.5、M25×1.5、M32×1.5、M40×1.5、M50×1.5、M63×1.5、NPT 1/2"、NPT 3/4"、NPT 1"、NPT 11/4"、NPT 11/2"、NPT 2"	IP66	Armour Cable	D: Cable Wiring G: Steel Pipe Wiring	Nickel-Plated Brass 304 Stainless Steel 316 Stainless Steel 316L Stainless Steel
	Ex eb IIC Gb Ex tb IIIC Db	G1/2"、G3/4"、G1"、G11/4"、G11/2"、G2"				