IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx SIR 19.0051X

Issue No: 0

Certificate history:
Issue No. 0 (2019-09-24)

Status: **Current**

Date of Issue: **2019-09-24**

Applicant: **Wrexham Mineral Cables**
Wynnstay Technology Park
Ruabon
Wrexham LL14 6EN
United Kingdom

Equipment: **RGM Range of Cable glands.**

Optional accessory:

Type of Protection: **Flameproof and Dust Protection by Enclosure**

Marking:

Ex db IIC Gb
Ex ta IIIC Da

Approved for issue on behalf of the IECEx Certification Body: N Jones

Position: Certification Manager

Signature:
(for printed version)

Date:

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 the Official IECEx Website.

Certificate issued by:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom

IECEx Certificate of Conformity

Certificate No: IECEx SIR 19.0051X Issue No: 0

Date of Issue: **2019-09-24** Page 2 of 3

Manufacturer: **Wrexham Mineral Cables**
Wynnstay Technology Park
Ruabon
Wrexham LL14 6EN
United Kingdom

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical 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:

GB/SIR/ExTR19.0247/00

Quality Assessment Report:

GB/SIR/QAR18.0008/00

IECEx Certificate of Conformity

Certificate No: IECEx SIR 19.0051X Issue No: 0

Date of Issue: **2019-09-24** Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The RGM range of compression seal cable glands are manufactured from brass to BS EN 12164:2011 Grade CZ121. The glands are intended to terminate circular, copper sheathed, mineral insulated cable into flameproof enclosures without compromising the explosion protection provided by the enclosures in accordance with the relevant codes of practice. The glands consist of a male-threaded front entry component designated the gland body, a back nut and a compression ring. The gland body has a hexagonal centre portion that enables it to be screwed into the entry point of its associated enclosure; it also has a marking and a hexagonal portion for tightening purposes. The compression ring is housed between the gland body and the gland and is compressed onto the cable when the back nut is tightened. The compression ring provides sealing, clamping and earthing arrangements.

Refer to the Annexe for the design options

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The cable gland shall not be used where the temperature, at the point of mounting, is outside the range -20°C to 450°C. However, the user/installer shall address the following issues:

   • The gland is normally used with a cable seal that will govern the upper temperature limit.

   • If the gland is used above 250°C, then the user/installer shall confirm with the manufacturer that the cable and the cable seal are both suitable for the intended application.

Annex:

IECEx SIR 19.0051X Issue 0 Annexe.pdf