



# 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](http://www.iecex.com)

Certificate No.: **IECEx ICS 20.0026X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-06-22

Applicant: **Pratley Manufacturing (Pty) Limited**  
Jackson Street  
Factoria  
Krugersdorp  
Republic of South Africa  
**South Africa**

Equipment: **Flameproof Adaptors & Reducers**

Optional accessory:

Type of Protection: **Various**

Marking: Ex db I Mb, Ex db IIC Gb,  
Ex eb I Mb, Ex eb IIC Gb,  
Ex nR IIC Gc, Ex ta IIIC Da.  
IP66/68 (350m)

Approved for issue on behalf of the IECEx  
Certification Body:

**Roelof Viljoen**

Position:

**Certification Authority**

Signature:  
(for printed version)

Date:

2020-06-22

1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

**South Africa Mining and Surface Certification (MASC)**  
45 Jurg Street  
Lelyta Park Unit 5  
Hennopspark Ext 87, Centurion, 0157, Gauteng  
South Africa





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Manufacturer: **Pratley Manufacturing (Pty) Limited**  
Jackson Street  
Factoria  
Krugersdorp  
Republic of South Africa  
**South Africa**

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 60079-15:2017** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:5.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2015** Explosive atmospheres – Part 7: Equipment protection by increased safety "e"  
Edition:5.0

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:

[ZA/ICS/ExTR20.0016/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0042/06](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The range of flameproof adaptors and reducers are manufactured from brass, 304 or 316 stainless steel. The body comprises of two types of threads on opposite sides to each other for male and female thread engagement with typically an enclosure and gland.

A sealing gasket is utilized on the male threaded part to maintain an ingress protection rating of IP66 and IP68 with the degree of protection IPX8 corresponding to an immersion of up to 350 meters under water.

The rated service temperature of the adaptors and reducers is -35°C to 120°C.

The range of flameproof adaptors and reducers are as follows:  
Refer to Annex of certificate.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

### **Special conditions of use:**

- The adaptors and reducers shall only be used at a service temperature between -35°C and 120°C.
- The adaptors shall not be used in conjunction with a blanking device. In addition, only one adaptor shall be installed in any one cable entry.
- The appropriate ingress protection level / restricted breathing and / or flameproof characteristics must be achieved and maintained at the interface of the adaptor or reducer with the enclosure and gland.

### **Conditions of Manufacture:**

- None

### **Annex:**

[Annex to Certificate 20.0026X.pdf](#)

