



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 BAS 12.0128X

Issue No: 1

Certificate history:

Issue No. 1 (2018-08-13)

Issue No. 0 (2013-01-18)

Status: **Current**

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Date of Issue: **2018-08-13**

Applicant: **Rotex Automation Limited**

987/11, GIDC

Makarpura

Vadodara

Gujarat

390010

India

Equipment: **Intrinsically Safe Coil with Circuit – Type 66 & Type 62, Low power IS Coil – Type 71, Type 71L, Type 67 & Type 67L**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking:

Ex ia I Ma (-60 ° C ≤ Ta ≤ +75 ° C) - Stainless steel versions only

Ex ia IIC T5 Ga (-60 ° C ≤ Ta ≤ +75 ° C)

Ex ia IIC T6 Ga (-60 ° C ≤ Ta ≤ +60 ° C)

Ex ia III C T₂₀₀ 125 ° C IP67 Da (-60 ° C ≤ Ta ≤ +75 ° C)

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

D BREARLEY
Certification
Manager

Position:

Technical Manager

Signature:

(for printed version)

Date:

PP TBearley
13/8/18

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

Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom





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Manufacturer: **Rotex Automation Limited**
987/11, GIDC
Makarpura
Vadodara
Gujarat
390010
India

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 : 2017 Explosive atmospheres - Part 0: Equipment - General requirements

Edition:7.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

Edition:6.0

*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/BAS/ExTR12.0308/00](#)

[GB/BAS/ExTR18.0096/00](#)

Quality Assessment Report:

[GB/BAS/QAR13.0001/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Intrinsically Safe Coil with Circuit (Type 66 & Type 62) is designed to lift the plunger & to hold it up with low power, until the coil is de-energised.

The equipment consist of a metallic box type enclosure with metallic cover secured with socket head screws, within which the coil winding, terminal block & booster electronic circuit are encapsulated in epoxy.

Connections are made through the cable entry onto the connector block having screw terminations.

The Low Power IS Coil (Type 71, Type 71L, Type 67 & Type 67L) is designed to operate a solenoid, until the coil is de-energised.

The equipment consists of a metallic box type enclosure with metallic cover secured with socket head screws, within which the coil winding encapsulated in epoxy and terminal block are located.

Connections are made through the cable entry onto the connector block having screw terminations.

Ui = 32Vdc
Ii = 230mA
Pi = 2.3W
Ci = 0
Li = 0

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The aluminium enclosure version must be mounted in such a manner as to eliminate the risk of sparks caused by friction or impact from iron/steel.
2. Only suitably certified cable glands shall be used with this equipment.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 1.1

To permit an update to IEC 60079-0:2017 Edition 7 and include an alternative enclosure material.

ExTR: GB/BAS/ExTR18.0096/00

File Reference: 17/0698