



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 14.0070X** issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2014-11-14** Page 1 of 3

Applicant: **Pneumatrol Limited**
West End Business Park
Blackburn Road
Oswaldtwistle
Nr Accrington
Lancashire
BB5 4WZ
United Kingdom

Electrical Apparatus: **A Type EP000/me Solenoid**
Optional accessory:

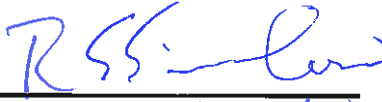
Type of Protection: **Increased safety, Encapsulation, Dust protected**

Marking: **Ex e mb IIC T4 Gb Ta -20°C to + 65°C**
Ex tb IIIC T105°C Db IP66/67

Approved for issue on behalf of the IECEx Certification Body: **R S Sinclair**

Position: **General Manager**

Signature:
(for printed version)


14-11-14

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](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: **Pneumatrol Limited**
West End Business Park
Blackburn Road
Oswaldtwistle
Nr Accrington
Lancashire
BB5 4WZ
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 electrical 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 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

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

IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition: 4

*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/ExTR14.0144/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0071/05](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

A Type EP000/me Solenoid comprises a cast stainless steel enclosure containing a thermally fused solenoid assembly encapsulated in epoxy resin compound, and a circular terminal enclosure. The terminal enclosure houses a component certified 2 way terminal block type MK3 afforded IECEx SIR 05.0036U, and is provided with an internal earth terminal, an access cover, and has a single threaded cable entry.

The solenoid is rated 12Vac to 250Vac, 9VA, 50Hz, and 12Vdc to 240Vdc, 3W.

A cable entry hole is provided as specified on the certified drawings for the accommodation of a cable entry device, with or without the interposition of a thread adapter.

The cable entry device, and thread adapters shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component).

The cable entry device shall maintain the ingress protection of the enclosure.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The temperature of the medium passing through the valve must not exceed 60°C.
2. The supply circuit must be protected by a fuse capable of withstanding a prospective short circuit current of 1500A.