



# 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 BAS 08.0095X**

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Certificate history:

Status: **Current**

Issue No: 11

Issue 10 (2018-11-12)

Issue 9 (2014-07-29)

Issue 8 (2014-03-21)

Issue 7 (2013-09-23)

Issue 6 (2013-05-02)

Issue 5 (2012-09-13)

Issue 4 (2011-05-26)

Issue 3 (2010-09-30)

Issue 2 (2010-03-22)

Issue 1 (2009-09-28)

Date of Issue: 2022-04-20

Applicant: **Bifold Fluidpower Limited**  
Broadgate  
Oldham Broadway Business Park  
Chadderton  
Oldham  
Greater Manchester OL9 9XA  
**United Kingdom**

Equipment: **Solenoid Type 58**

Optional accessory:

Type of Protection: **Intrinsic safety**

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

Approved for issue on behalf of the IECEx  
Certification Body:

**R S Sinclair**

Position:

**Technical Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

20/4/2022

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

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





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Manufacturer: **Bifold Fluid Power**  
Broadgate  
Oldham Broadway Business Park  
Chadderton  
Oldham  
Greater Manchester OL9 9XA  
**United Kingdom**

Manufacturing locations: **Bifold Fluid Power**  
Broadgate  
Oldham Broadway Business Park  
Chadderton  
Oldham  
Greater Manchester OL9 9XA  
**United Kingdom**

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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

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 Reports:

[GB/BAS/ExTR08.0236/01](#)  
[GB/BAS/ExTR10.0221/00](#)  
[GB/BAS/ExTR13.0098/00](#)  
[GB/BAS/ExTR18.0250/00](#)

[GB/BAS/ExTR09.0180/00](#)  
[GB/BAS/ExTR11.0129/00](#)  
[GB/BAS/ExTR13.0154/00](#)  
[GB/BAS/ExTR22.0061/00](#)

[GB/BAS/ExTR10.0044/00](#)  
[GB/BAS/ExTR12.0240/00](#)  
[GB/BAS/ExTR14.0077/00](#)

### Quality Assessment Report:

[GB/BAS/QAR07.0038/09](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Solenoid Type 38/58/68 are designed to accommodate a CETOP valve interface for manifold mounting applications requiring a small footprint.

The solenoid comprises a wound coil across which are fitted duplicated suppression diodes forming an infallible assembly. The complete assembly is over-moulded and connector pins, for mating with the external free socket, enable electrical connection to the coil. The over-moulded assembly is housed within a stainless steel enclosure.

The solenoid is adequately protected against the ingress of water; the enclosure providing a degree of protection of at least IP66.

The electrical parameters are:

$U_i = 35V$  dc  $I_i = 600mA$   $P_i = 3W$   $C_i = 0$   $L_i = 0$

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

1. The connection of the free socket must use a rubber seal between the mating parts to maintain IP66.



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

### Variation 11.1

To permit a minor product change not affecting the certification assessment.

### Variation 11.2

Type 38 and Type 68 are removed from the current range of solenoids.

ExTR: GB/BAS/ExTR22.0061/00

File Reference: 21/0542