

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 UK-Type Examination Certificate Number: **BAS21UKEX0842X**

4 Product: **Solenoid Type 58**

5 Manufacturer: **Bifold Fluidpower Limited**

6 Address: **Broadgate, Oldham Broadway Business Park, Chadderton, Oldham, Greater Manchester, OL9 9XA**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR22.0061/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-11:2012
except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

 **II 1 G Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +60°C)**

SGS Baseefa Customer Reference No. **1688**

Project File No. **21/0542**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number BAS21UKEX0842X**

15 **Description of Product**

The Solenoid Type 58 is 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:

Ui = 35 Vdc	Ci = 0
Ii = 600 mA	Li = 0
Pi = 3.00 W	

16 **Report Number**

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17 **Specific Conditions of Use**

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

18 **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
0-SC0038	1 of 2	0-0	04/02/2022	58 Series Solenoid Assembly
0-SL0008	1 of 1	3	31/03/2022	Type 58 Solenoid Label Exia

These drawings are common to Baseefa08ATEX0292X and IECEx BAS 08.0095X.