

UK-TYPE EXAMINATION CERTIFICATE

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

- UK-Type Examination Certificate Number: **BAS21UKEX0788X**
- Product: **EHPC210 Universal Control**
- Manufacturer: **Bifold Fluidpower**
- Address: **Broadgate, Oldham Broadway Business Park, Chadderton, Oldham, Greater Manchester, OL9 9XA United Kingdom**
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 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/ExTR22.0082.00**
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0: 2018 EN 60079-1: 2014 EN 60079-11: 2012
- except in respect of those requirements listed at item 18 of the Schedule.
- 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.
- 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.
- The marking of the product shall include the following :
- Ex II 2 G Ex db IIB T6 Gb IP66 (Tamb = -40°C to +60°C)**
- or **Ex db [ib Gb] IIB T6 Gb IP66 (Tamb = -40°C to +60°C)**

SGS Baseefa Customer Reference No. **1688**


Project File No. **21/0670**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number BAS21UKEX0788X**

15 **Description of Product**

The EHPC210 Universal Controller is rated at a maximum input voltage of 28Vdc, a maximum internal current of 80 mA and a maximum power dissipation of 2W. The EHPC210 Universal Controller is designed for control and monitoring of linear and rotary controls.

The EHPC210 Universal Controller comprises of an Ex component cylindrical metallic enclosure to FTZU07ATEX0002U or FTZU03ATEX0207U fitted with electronic circuitry.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. The cable entry holes may also be fitted with Bifold linear or rotary Type EHPC Operators to Baseefa15ATEX0106U.

Unused entries are to be fitted with certified flameproof stopping plugs.

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

When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure.

The EHPC210 Universal Controller may be fitted with an optional Bifold intrinsically safe EHPC210 Isolator Board certified to Baseefa16ATEX0022U.

Hazardous area connections:
Each loop:

$U_i = 30V$ $I_i = 100mA$ $P_i = 0.7W$ $C_i = 0$ $L_i = 0$

16 **Report Number**

GB/BAS/ExTR22.0082.00

17 **Specific Conditions of Use**

1. When fitted, the flameproof joints of the EHPC Operators are not to be repaired.

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-SL0044	1	6	05.05.22	Stamping Detail
0-SL0045	1	4	05.05.22	Stamping Detail db only
Baseefa16ATEX0019X				