

1 EU - TYPE EXAMINATION CERTIFICATE

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

3 EU - Type Examination Certificate **Baseefa16ATEX0019X – Issue 3**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **EHPC210 Universal Controller**

5 Manufacturer: **Bifold Fluidpower Limited**

6 Address: **Chadderton, Oldham, Greater Manchester, OL9 9XA**

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa16ATEX0019X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No.

9 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.

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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive 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 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 Fimko Oy Customer Reference No. **1688**

Project File No. **18/0822**

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Authorised Signatory for SGS Fimko Oy

M POWNEY
Certification
Manager

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Schedule

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Certificate Number Baseefa16ATEX0019X – Issue 3

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:

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

16 Report Number

SGS Baseefa Certification Report GB/BAS/ExTR19.0099/00.

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
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
0-SC0017	1 of 1	4	20.06.19	General Arrangement
0-SL0044	1 of 1	5	21.02.19	Stamping Detail
0-SL0045	1 of 1	3	21.02.19	Stamping Detail Ex db only

These drawings are common to Baseefa16ATEX0019X and IECEx BAS 16.0020X and are held with the latter.

20 Certificate History

Certificate No.	Date	Comments
Baseefa16ATEX0019X	18 th April 2016	The release of the prime certificate. The associated test and assessment is documented in the certification report GB/BAS/ExTR16.0046/00.
Baseefa16ATEX0019X/1	31 st May 2016	To increase the maximum external ambient temperature of the EHPC210 Universal Controller to +60°C. Clarification of type name. Certification report GB/BAS/ExTR16.0143/00 refers.
Baseefa16ATEX0019X Issue 2	18 th July 2016	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate. This issue also amends the hazardous area connection parameters of the intrinsically safe EHPC210 Isolator Board, when fitted and clarifies the ATEX certificate numbers for Ex component certified items used in this Ex equipment certificate. Certification report GB/BAS/ExTR16.0175/00 refers.
Baseefa16ATEX0019X Issue 3	12 July 2019	To assess the EHPC210 Universal Controller against the standards EN IEC 60079-0:2018. Permit minor drawing changes to certification label. Certification report GB/BAS/ExTR19.0099/00 refers.
For drawings applicable to each issue, see original of that issue.		