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**Schedule**

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**EC-TYPE EXAMINATION CERTIFICATE N° BAS02ATEX2106X**

15

**Description of Equipment or Protective System**

**Solenoid Housings Size 1 & 2** comprises a cylindrical body, a cover and a base all manufactured from grade EN-JL1030 cast iron. The body houses a coil, a core piece and the armature which passes through the base to operate the driven device. A plate is provided above the coil for mounting, terminals and transient suppressors, as well as bridge rectifiers, and capacitors when connected to an a.c. supply.

The size 1 and size 2 coils have a dissipation of 18W and 25W respectively, and are rated 24V-440V a.c. 40 - 60Hz, or 12V -250V d.c.

Internal and external earth facilities are provided.

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

Suitable flameproof cable entry devices, thread adapters certified as Equipment (not a Component) under an EC Type Examination Certificate to Directive 94/9/EC may also be used in the manner specified above.

16

**Report No.**

BASEEFA Certification Report No. 02(C)0107 dated 19 March 2002.

17

**Special Conditions For Safe Use**

1. For replacement purposes the cover fixing screws shall be of grade A4-80 stainless steel or stronger.
2. The maximum flamepath gaps shall not exceed 0.1 mm.

18

**Essential Health and Safety Requirements**

<b>Essential Health and Safety Requirements not covered by Standards listed at (9)</b>		
<b>Clause</b>	<b>Subject</b>	<b>Compliance</b>
1.0.2	Analysis of possible operating faults	Manufacturer's Instructions
1.0.3	Special checking and maintenance conditions	No special requirements
1.0.6	Instructions	Manufacturer's Instructions
1.2.2	Components for incorporation or replacement	No user serviceable parts
1.2.4	Dust deposits	Certification for gas atmospheres only
1.2.5	Additional means of protection	Not applicable
1.2.7	Protection against other hazards	BASEEFA Report No. 02(C)0107



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**EC-TYPE EXAMINATION CERTIFICATE N° BAS02ATEX2106X**

<b>Essential Health and Safety Requirements not covered by Standards listed at (9)</b>		
<b>Clause</b>	<b>Subject</b>	<b>Compliance</b>
1.3.5	Hazards arising from pressure compensation	Not applicable
1.5.	General requirements for safety devices	Not applicable
1.6.1	Manual override	Not applicable
1.6.2	Emergency shutdown	Not applicable
1.6.3	Hazards arising from power failure	Not applicable
1.6.5	Placing of warning devices as parts of equipment	Not applicable
2.0.	Category M	Not applicable
2.1.	Category 1	Not applicable
2.2.1	Category 2G	BASEEFA Report No. 02(C)0107
2.2.2	Category 2D	Not applicable
2.3.	Category 3	Not applicable
3.	Requirements for protective systems	Not applicable

**19 DRAWINGS**

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
S10000000000D0	1	1	28.01.02	General Assembly Size 1 & 2 Housings
S10000000000D0	2	1	28.01.02	Notes and Wiring Diagrams Size 1 & 2 Housings
S10000000000D0	3	1	28.01.02	Parts List Size 1 & 2 Housings
3M01-00B126	1	1	10.01.02	Housings
3M84-00B309	-	1	11.12.01	Housing Cover
3M11-00B211	1	1	10.01.02	Housing Base
3M02-00B306	-	1	10.01.02	Armature

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**BASEEFA List Keywords**  
2SOLEVAL



**1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

**2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

**3 Supplementary EC - Type Examination Certificate      BAS02ATEX2106X/1  
Number :**

**4 Equipment or protective system:                              Solenoid Housings Size 1 & 2**

**5 Manufacturer :    FCx Thompson Valves Limited**

**6 Address :    Poole, Dorset, BH17 7EF**

**7 This supplementary certificate, issued by Baseefa (2001) Ltd., Notified Body Number 1180, extends EC - Type Examination Certificate No. BAS02ATEX2106X to apply to equipment or protective systems 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.**

This Supplementary Certificate shall be held with the original Certificate

The Electrical Equipment Certification Service, Notified Body Number 0600, retains responsibility for its original documentation. Baseefa (2001) Ltd. is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate that it has issued.

This certificate may only be reproduced in its entirety, without any change, Schedule included.

Baseefa (2001) Ltd. Customer Reference No. 3782

Project File No. 02/0231

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**R S SINCLAIR  
DIRECTOR  
On behalf of  
Baseefa (2001) Ltd.**

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## **Schedule**

### **Description of the variation to the Equipment or Protective System**

#### **Variation 1.0**

Modification to armature maximum flamepath gap to facilitate manufacture.

#### **Report No.**

None

#### **Special Conditions for Safe Use**

The special condition for safe use number 2 on original certificate no longer applies.

#### **Essential Health and Safety Requirements**

See original certificate

#### **Drawings and Documents**

<b>Number</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
3M02-00B306	2	10.09.02	Armature



**1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

**2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

**3 Supplementary EC - Type Examination Certificate Number: BAS02ATEX2106X/2**

**4 Equipment or Protective System: Solenoid Housings Size 1 & 2**

**5 Manufacturer: FCx Thompson Valves Limited**

**6 Address: Poole, Dorset, BH17 7EF**

**7 This supplementary certificate extends EC – Type Examination Certificate No. BAS02ATEX2106X to apply to equipment or protective systems 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.**

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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Baseefa (2001) Ltd. Customer Reference No. 3782

Project File No. 04/0605

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A handwritten signature in black ink, appearing to read "R S Sinclair".

**Baseefa (2001) Ltd.**  
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**R S SINCLAIR**  
**DIRECTOR**  
On behalf of  
Baseefa (2001) Ltd.



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## Schedule

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Certificate Number BAS02ATEX2106X/2

15 **Description of the variation to the Equipment or Protective System**

### Variation 2.1

To permit an increase in the maximum flamepath gaps to facilitate manufacture.

16 **Report Number**

None

17 **Special Conditions for Safe Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
S10000000000D0	2	02	10.08.04	General Assembly Size 1 & 2 Housings
3M84-00B309	-	2	09.08.04	Cover
3M11-00B211	1	2	10.08.04	Pot Base