



## EC-TYPE EXAMINATION CERTIFICATE

Component Intended for use on/in an Equipment or Protective System  
Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC

EC-Type Examination Certificate Number : **BAS00ATEX7202U**

Component: **8223-PI-IS, 2-CHANNEL PULSE INPUT MODULE**

Manufacturer: **MEASUREMENT TECHNOLOGY LIMITED**

Address: **Power Court, Luton, Bedfordshire, LU1 3JJ**

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

The Electrical Equipment Certification Service, notified body number 600 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

**00(C)0128 dated 28 November 2000**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:


**EN 50014: 1997 + Amds 1 & 2**

**EN 50020: 1994**

The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

The marking of the component shall include the following:-

 **II (1) G**      **[EEEx ia] IIC**      **(T<sub>a</sub> = -40°C to +70°C)**

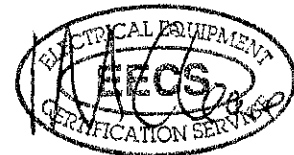
This certificate may only be reproduced in its entirety and without any change, schedule included.

File No: **EECS 0703/02/294**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service  
Health and Safety Executive  
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom  
Tel: 01298 28000 Fax: 01298 28244



**I M CLEARE**  
**DIRECTOR**  
**15 December 2000**



## Schedule

EC-TYPE EXAMINATION CERTIFICATE No. BAS00ATEX7202U

### 15 Description of Component

The 8223-PI-IS, 2-Channel Pulse Input Module is designed to restrict the transfer of energy from an input supply voltage of 18V provided with galvanic isolation and voltage clamping with triplicated crowbar protection e.g. the 8920-PS-DC, I.S. System Power Supply, to two galvanically isolated, multi pin, independent intrinsically safe circuits by the limitation of voltage and current. Any low energy let through transients from the power supply are not considered to affect component ratings or segregation and are limited by the module output circuits, by either the triplicated crowbar/zener diode circuits for the power supply source 24VPS\* or duplicated, infallible zener diode combinations for the other resistively limited circuits. Two separate circuits are provided which are optically isolated open collector circuits.

Digital data is passed between the Hazardous Area and the Safe Area equipment, via power blocking circuitry within the module, to a data interface unit such as the 8922-RB-IS, Railbus Isolator.

The module consists of electronic components on two printed circuit boards mounted within a moulded plastic enclosure. Each module has a number of multi pin circuits forming two channels which are referenced to a common electrical connection, but any circuit connection within each channel will be considered as a separate intrinsically safe circuit. Each pulse channel is designed to provide an intrinsically safe power source, (24VPS\*); a current and voltage input, (IIP\* & VIP\*); a digital input (DIGIP, for Channel 1 only); a NAMUR\* input and an optically isolated open collector circuit (OP\*+/-) for connection to transmitters which may be situated within a hazardous area.

The safe area connections of the 8223-PI-IS, 2-Channel Pulse Input Module are made via a certified module carrier such as an 8720-CA-04 4-Module carrier or an 8729-CA-08 8-Module carrier and the hazardous area connections are made via certified IS field terminals such as the 8621-FT-IS Standard Field Terminals or the 8622-FT-IS Loop Disconnect Field Terminals.

### Apparatus Parameters

The 8223-PI-IS, 2-Channel Pulse Input Module is to be coded  
[EEx ia] IIC (T<sub>a</sub> = -40°C to + 70°C) when:

#### Input Parameters

CON 2 Pins 1, 3-5 and 10-12.

U<sub>m</sub> = 18V (from the PSU)

The maximum prospective current must be limited to 85A.

CON 2 Pins 13-22 and 31, 33 & 34.

U<sub>m</sub> = 18V (from the RBI)

The maximum input power must be limited to 2.5W.

All of the data lines between the module and the Railbus Isolator are diode blocked and/or optocoupled to prevent power transfer from the module back onto the data lines.



13

**Schedule**

14

**EC-TYPE EXAMINATION CERTIFICATE No. BAS00ATEX7202U**

Both the PSU and the Railbus Isolator supplies and the Railbus data signals are referenced to a common point within the Railbus Isolator to ensure that the galvanically isolated supplies are not additive.

Output

Channels 1 and 2 (CON5 & CON6) Connection Pins

Connections CON5 pin 5a and CON6 pins 5a and 7a are the common electrical connections for all circuits except for OP1 and OP2 for Channel 1 and Channel 2.

Circuit	Output pins (+)	Output pins (-)	Circuit	Output pins (+)	Output pins (-)
24VPS1	Con 5, pin 3c	COMMON	24VPS2	Con 5, pin 3a	COMMON
IIP1	Con 5, pin 7c	COMMON	IIP2	Con 5, pin 1c	COMMON
VIP1	Con 5, pin 7a	COMMON	VIP2	Con 5, pin 1a	COMMON
NAMURIP1	Con 5, pin 5c	COMMON	NAMURIP2	Con 6, pin 7c	COMMON
DIGIP	Con 6, pin 5c	COMMON			
OP1	Con 6, pin 3c	Con 6 pin 3a	OP2	Con 6, pin 1c	Con 6, pin 1a

Channels 1 and 2 Input / Output Parameters

All circuits combined within one channel:

$$\begin{aligned}
 U_o &= 28.5V & C_i &= 0 \\
 I_o &= 93.2mA & L_i &= 0 \\
 &\text{or } 169mA \text{ at } 3.14V \\
 P_o &= 639mW
 \end{aligned}$$

For maximum permitted input parameters see below.

OR if circuits are used individually then:-

Circuit	$U_o$	$I_o$	$P_o$	$U_i$	$I_i$	$P_i$						
24VPS*	27.4V	93.2mA	639mW	Output only								
IIP*	+/-1.1V	53mA	15mW	1.1V	50mA	-----						
VIP* } NAMURIP* } DIGIP }	9.6V	25mA	57mW	18.2V	-----	333mW						
OP*							0	0	0	30V	-----	333mW



13

**Schedule**

14

**EC-TYPE EXAMINATION CERTIFICATE No. BAS00ATEX7202U**

The field outputs share a common rail between the four channels but are galvanically isolated from the PSU and Railbus Isolator supplies and the Railbus data signals.

**LOAD PARAMETERS**

The capacitance and either the inductance or the inductance to resistance ratio ( $L_o/R_o$ ) of the load connected to the output terminals must not exceed the following values:

Circuit	GROUP IIC			GROUP IIB			GROUP IIA		
	$C_o$	$L_o$ OR $L_o/R_o$		$C_o$	$L_o$ OR $L_o/R_o$		$C_o$	$L_o$ OR $L_o/R_o$	
All Circuits Combined within 1 Ch.	0.078 $\mu$ F	1.28mH	15 $\mu$ H/ $\Omega$	0.627 $\mu$ F	3.86mH	56 $\mu$ H/ $\Omega$	2.05 $\mu$ F	10.29mH	119 $\mu$ H/ $\Omega$
24VPS*	0.087 $\mu$ F	4.2mH	56 $\mu$ H/ $\Omega$	0.667 $\mu$ F	17.37mH	211 $\mu$ H/ $\Omega$	2.26 $\mu$ F	35.29mH	445 $\mu$ H/ $\Omega$
IIP*	1000 $\mu$ F	13.1mH	2436 $\mu$ H/ $\Omega$	1000 $\mu$ F	49.77mH	8931 $\mu$ H/ $\Omega$	1000 $\mu$ F	105mH	18140 $\mu$ H/ $\Omega$
VIP* }	3.6 $\mu$ F	56.6mH	191 $\mu$ H/ $\Omega$	26 $\mu$ F	208mH	744 $\mu$ H/ $\Omega$	210 $\mu$ F	419mH	868 $\mu$ H/ $\Omega$
NAMURIP* }									
DIGIP }									
OP*	Parameters determined by Source			Parameters determined by Source			Parameters determined by Source		

16

**Report No.**

00(C)0128

17

**Schedule of Limitations**

1. Each group of circuits, forming an output channel, must be considered as a separate intrinsically safe circuit which must be segregated from all other circuits by the requirements of Table 4 of EN 50020.
2. This module must be mounted with suitable connection facilities such that the output connectors are provided with a degree of protection of at least IP20.
3. Plugs and sockets for external connections must be designed such that incorrect connections or interchangeability with inappropriate field connections is prevented.
4. This module must be segregated from any other Non-IS or IS circuits, by the requirements of Table 4 of EN 50020: 1994.

18

**Essential Health and Safety Requirements**

There are no additional requirements other than those referred to in the standard.



13

### Schedule

14

EC-TYPE EXAMINATION CERTIFICATE No. BAS00ATEX7202U

19

### DRAWINGS

Number	Sheet	Issue	Date	Description
CI8223	1 to 9	1	08/00	Circuit
CI8223-1	1	1	08/00	Top Parts list
CI8223-2	1	1	08/00	Bottom Parts list
CI8223-5	1	1	10/00	General Assembly
CI8223-3	1	1	09/00	Top Circuit board track layout
CI8223-3	2	1	09/00	Top Circuit board component layout
CI8223-4	1	1	09/00	Bottom Circuit board track layout
CI8223-4	2	1	09/00	Bottom Circuit board component layout
CI8223-6	1	1	10/00	Marking PID
CI8000-16	1&2	1	10/00	TFR408 Transformer
*CI8000-12	1	2	12/98	TFR83 Transformer

\* Held with BASEEFA Certificate Number BAS98ATEX7207U

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

BASEEFA List Keywords  
2ISOLBAR



1 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment or Protective System**  
3 **Intended for use in Potentially explosive atmospheres**  
4 **Directive 94/9/EC**

5 Supplementary EC-Type Examination Certificate Number: **BAS00ATEX7202U/1**

6 Component: **8223-PI-IS, 2-CHANNEL PULSE INPUT MODULE**

7 Manufacturer: **MEASUREMENT TECHNOLOGY LIMITED**

8 Address: **Luton, Bedfordshire, LU1 3JJ**

9 This supplementary certificate extends EC-Type Examination Certificate No. BAS00ATEX7202U to apply to components 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.

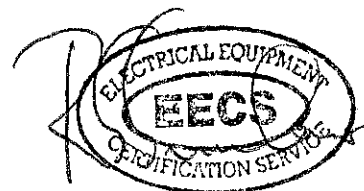
This certificate may only be reproduced in its entirety and without any change, schedule included.

File No: EECS 0703/02/294

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service  
Health and Safety Executive  
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom  
Tel: +44(0)1298 28000 Fax: +44(0)1298 28244  
internet: [www.baseefa.com](http://www.baseefa.com) e-mail: [baseefa.info.eecs@hsl.gov.uk](mailto:baseefa.info.eecs@hsl.gov.uk)



IM CLEARE  
DIRECTOR  
22 January 2002



13

**Schedule**

14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX7202U/1**

**Description of the Variation to the Component**

**VARIATION 1.1**

To permit fuse FS2 (used on the top PCB) to be increased to 0.25A from 0.125A.

**Report No.**

None.

**Schedule of Limitations**

See original certificate.

**Essential Health and Safety Requirements**

See original certificate.

**DRAWINGS**

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
CI8223-1	1	2	11.01	Top Parts List

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



1 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment or Protective System**  
3 **Intended for use in Potentially explosive atmospheres**  
4 **Directive 94/9/EC**

5 Supplementary EC-Type Examination Certificate Number: **See Schedule**

6 Component: **See Schedule**

7 Manufacturer: **MEASUREMENT TECHNOLOGY LIMITED**

8 Address: **Luton, Bedfordshire, LU1 3JJ**

9 This supplementary certificate extends the EC-Type Examination Certificates listed in the Schedule to apply to components designed and constructed in accordance with the specifications set out in the Schedules of the said Certificates but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

A copy of this Supplementary Certificate shall be attached to each of the original Certificates.

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

File No: See Schedule

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service  
Health and Safety Executive  
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom  
Tel: +44(0)1298 28000 Fax: +44(0)1298 28244  
internet: [www.baseefa.com](http://www.baseefa.com) e-mail: [baseefa.info.eecs@hsl.gov.uk](mailto:baseefa.info.eecs@hsl.gov.uk)



P. M. CLEARE  
DIRECTOR  
21 February 2002





13

Schedule

14

SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE

Description of the Variation to the Component

VARIATION See Schedule

To permit the option to use a polyester resin based ink for marking the certification details on the units as an alternative to the acrylic based ink originally specified. The original assessment is not affected by this change.

<u>Certificate No.</u>	<u>Supplement No.</u>	<u>Variation No.</u>	<u>Component Title</u>	<u>File No.</u>
BAS98ATEX7204U	/7	7.1	8215-DO-IS	EECS 0703/02/262
BAS98ATEX7205U	/6	6.1	8204-AO-IS	EECS 0703/02/263
BAS98ATEX7206U	/4	4.1	8220-DI-IS	EECS 0703/02/264
BAS98ATEX7207U	/5	5.1	8201-HI-IS	EECS 0703/02/265
BAS98ATEX7208U	/4	4.1	8922-RB-IS	EECS 0703/02/266
BAS98ATEX7209U	/5	5.1	8920-PS-DC	EECS 0703/02/267
BAS99ATEX7316U	/5	5.1	8205-TI-IS 8206-TI-IS	EECS 0703/02/277
BAS00ATEX7202U	/2	2.1	8223-PI-IS	EECS 0703/02/294
BAS01ATEX7185U	/2	2.1	8202-HO-IS	EECS 0703/02/297

Report No.

None.

Schedule of Limitations

See original certificates.

Essential Health and Safety Requirements

See original certificates.

DRAWING

Number	Issue	Date	Description
*CI8000-5	1	01.02	Label printing inks

\*held on BASEEFA Certificate No BAS98ATEX7209U on file No. EECS 0703/02/267

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



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment**  
**Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **BAS00ATEX7202U/3**

4 Component: **8223-PI-IS, 2-Channel Pulse Input Module**

5 Manufacturer: **Measurement Technology Limited**

6 Address: **Power Court, Luton, Bedfordshire, LU1 3JJ**

7 This supplementary certificate extends EC - Type Examination Certificate No. BAS00ATEX7202U to apply to components 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.

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

Baseefa (2001) Ltd. Customer Reference No. 0703

Project File No. 03/0976

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.

**Baseefa (2001) Ltd.**

Health and Safety Laboratory Site, Harpur Hill,  
Buxton, Derbyshire SK17 9JN  
Telephone +44 (0) 1298 28255 Fax +44 (0) 1298 28216  
e-mail [info@baseefa2001.biz](mailto:info@baseefa2001.biz) web site [www.baseefa2001.biz](http://www.baseefa2001.biz)  
Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,  
Derbyshire, SK17 9BJ

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



13

### Schedule

14

Certificate Number BAS00ATEX7202U/3

15 **Description of the variation to the Component**

**Variation 3.1**

To permit a minor re-arrangement of the certification label details.

16 **Report Number**

None

17 **Schedule of Limitations**

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
CI8223-6	1	2	11.03	8223-PI-IS Certification Label Details



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment**  
3 **Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC**

3 Supplementary EC - Type **BAS00ATEX7202U/4**  
Examination Certificate Number:

4 Component: **8223-PI-IS, 2-Channel Pulse Input Module**

5 Manufacturer: **GE Fanuc Intelligent Platforms**  
**(Formerly held by Measurement Technology Limited, Luton, LU1 3JJ)**

6 Address: **Butterfield, Luton, LU2 8DL**

7 This supplementary certificate extends EC - Type Examination Certificate No. BAS00ATEX7204U to apply to components 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, Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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

Baseefa Customer Reference No. 6198

Project File No. 09/0180

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

**Baseefa**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.

**R S SINCLAIR**

**DIRECTOR**  
On behalf of  
Baseefa



13

### Schedule

14

Certificate Number BAS00ATEX7202U/4

15 **Description of the variation to the Component**

#### Variation 4.1

To permit minor changes to the information shown on the certification label.

16 **Report Number**

None

17 **Schedule of Limitations**

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
CI8223-6	1	3	3.09	8223-PI-IS Certification Label.



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment**  
**Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate      See Schedule  
Number:

4 Component:      See Schedule

5 Manufacturer:      **GE Fanuc Intelligent Platforms**

6 Address:      **Butterfield, Luton, LU2 8DL**

7 This supplementary certificate extends the EC - Type Examination Certificates listed in the Schedule to apply to components designed and constructed in accordance with the specification set out in the Schedules of the said Certificates but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

A copy of this Supplementary Certificate shall be attached to each of the original Certificates.

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

Baseefa Customer Reference No. 6198

Project File No. 09/0581

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

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

R S SINCLAIR

DIRECTOR  
On behalf of  
Baseefa

**Baseefa**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.



## Schedule

### Description of the variation to the Component

Certificate No.	Supplement No.	Component Type
BAS98ATEX7204U	9	8215-DO-IS, 4 Channel IS DO Solenoid Driver
BAS98ATEX7205U	9	8204-AO-IS, 8 Channel IS AO, 4-20 mA
BAS98ATEX7206U	6	8220-DI-IS, 16 Channel IS DI Switch / Proximity Detector
BAS98ATEX7207U	8	8201-HI-IS, 8 Channel IS AI, 4-20 mA with HART
BAS98ATEX7208U	6	8922-RB-IS, Railbus Isolator with Railbus Isolator Carrier
BAS98ATEX7209U	8	8920-PS-DC, IS System Power Supply, d.c. Input with Module Carrier
BAS98ATEX7210U	7	87XX Module Carriers
BAS98ATEX7211U	12	862X IS Field Terminal
BAS99ATEX7316U	6	8205-TI-IS, 8 Channel IS, Thermocouple Input Module 8206-TI-IS, 8 Channel IS, RTD Input Module
BAS00ATEX7202U	5	8223-PI-IS, 2-Channel Pulse Input Module
BAS01ATEX7185U	5	8202-HO-IS, 8 Channel IS AO, 4-20 mA with HART
BAS01ATEX7346U	2	8230-AI-IS, 8 Channel IS Analogue Input Module

### Report No.

None

### Schedule of Limitations

See original certificates

### Essential Health and Safety Requirements

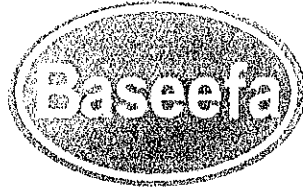
See original certificates

### Drawings and Documents

Number	Sheet	Issue	Date	Description
CI 8200-15	1	1	07.09	Optional encapsulants and alternative address prefixes

BASEEFA CUSTOMER REFERENCE

Certificate Number  
See Schedule



Issued 27 July 2010  
Page 1 of 2

1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment**  
**Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate      See Schedule  
Number:

4 Component:      See Schedule

5 Manufacturer:      **GE Intelligent Platforms**  
(formerly GE Fanuc Intelligent Platforms)

6 Address:      **2500 Austin Drive, Charlottesville, Virginia 22911, USA**  
(formerly Butterfield, Luton, LU2 8DL)

7 This supplementary certificate extends the EC - Type Examination Certificates listed in the Schedule to apply to components designed and constructed in accordance with the specification set out in the Schedules of the said Certificates but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

A copy of this Supplementary Certificate shall be attached to each of the original Certificates.

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



Baseefa Customer Reference No. 6623

Project File No. 10/0571

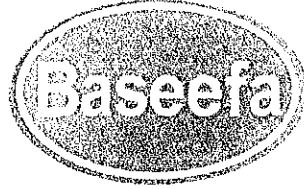
This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.

  
R S SINCLAIR   
DIRECTOR  
On behalf of  
Baseefa





### Schedule

#### Description of the variation to the Component

To permit minor label and drawing changes not affecting the original assessment.

Certificate No.	Supplement No.	Component Type
BAS98ATEX7205U	10	8204-AO-IS, 8 Channel IS AO, 4-20mA
BAS98ATEX7206U	7	8220-DI-IS, 16 Channel IS DI, Switch / Proximity Detector
BAS98ATEX7208U	7	8922-RB-IS, Railbus Isolator with Railbus Isolator Carrier
BAS98ATEX7210U	8	87XX Module Carriers
BAS99ATEX7316U	7	8205-TI-IS, 8 Channel IS, Thermocouple Input Module
BAS00ATEX7202U	6	8223-PI-IS, 2-Channel Pulse Input Module
BAS01ATEX7346U	3	8230-AI-IS, 8 Channel IS Analogue Input Module

#### Report No.

None

#### Schedule of Limitations

See original certificates

#### Essential Health and Safety Requirements

See original certificates

#### Drawings and Documents

Number	Sheet	Issue	Date	Description
CI8200-10	1 to 3	3	7.10	Revised Label information for 8000 2/1 Product made by GE Intelligent Platforms – Baseefa
CI 8200-15	1 of 1	2	7.10	Optional Encapsulants and Alternative Address Prefixes

The above drawings are held with BAS98ATEX7205U.