



## EC-TYPE EXAMINATION CERTIFICATE

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

EC-Type Examination Certificate Number : **BAS00ATEX2162X**

Equipment or Protective System: **TYPE P-Sh-N-Ex ANTI-STATIC BAR**

Manufacturer: **SIMCO (NEDERLAND) B.V.**

Address: **Aalsvoort 74, NL-7241 MB Lochem, Netherlands**

This equipment or protective system 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 equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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)0392 dated 27 September 2000**

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


**EN 50014: 1997 + Amds 1 & 2                      EN 50028: 1988                      SFA 3009: 1985**

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 equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

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

The marking of the equipment or protective system shall include the following:-

 **II 2G                      Ex sm IIA T4**

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

File No: **EECS 2763/03/002**

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, Duxton, Derbyshire. SK17 9JN. United Kingdom  
Tel: 01298 28000 Fax: 01298 28244**

**I M CLEARE  
DIRECTOR  
16 October 2000**



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**Schedule**

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**EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2162X**

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**Description of Equipment or Protective System**

**The Type P-Sh-N-Ex Antistatic Bar** with a minimum bar length of 50mm up to a maximum length of 6000mm is designed for neutralising static charges which can build up on films of material during processing. The bar is fed from an integral high voltage transformer with different primary ratings between 100V and 460V, and a secondary of 6.4kV at 50 or 60Hz. The maximum secondary current is 3mA.

The bar contains two high tension cables capacitively coupled to a series of sharp points - discharge points - equally spaced by means of metal sleeves and plastic spacers along the length of the cable. PVC over tubes cover the assembly with only the rows of discharge points being visible. The bar is arranged with two rows of discharge points held between insulating end pieces and spacing brackets with an aluminium tube between the two rows and two aluminium profiles outside the three tubes. The aluminium tube and profiles are at earth potential and fixed within or to the end pieces and spacing brackets to give rigidity to the assembly.

The high tension cables are encapsulated into the high voltage transformer assembly fixed to one end of the bar. The high voltage transformer is completely encapsulated with an epoxy resin compound and clad by means of a 1mm thick steel sheet. An integral cable completes the assembly and allows for the connection to a mains supply. A spare core in the cable, which is connected across a part of the low voltage end of the secondary of the transformer, can be used for connection to a remote neon indicator.

Thermal protection is assured by means of a 121°C thermal fuse encapsulated with the transformer and wired in series with the primary circuit.

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**Report No.**

00(C)0392

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**Special Conditions for Safe Use**

1. The supply to the transformer shall be protected by a fuse with a 4000A rupturing capacity.
2. The bar shall be mounted at a distance of between 50mm and 200mm from the material to be neutralised.
3. The bar shall be mounted in such a manner that the discharge assemblies are not subject to mechanical damage.
4. The integral cable shall be securely fixed to prevent mechanical damage.



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**Schedule**

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**EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2162X**

18.

**Essential Health and Safety Requirements**

Essential Health & Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.02	Operating faults	4.4
1.3.1	Different ignition sources	4.4
1.3.2	Static Electricity	4.4

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**DRAWINGS**

Number	Issue	Date	Description
03124100	B	17/3/00	Isolator KE P-Sh-N
03124110	B	17/3/00	Isolator DE P-Sh-N bar
03124120	C	27/3/00	Isolator steunblok P-Sh-N staaf
03124130	A	15-5-92	Isolator vulstuk P-Sh-N staaf
03144050	A	4/4/00	Wartel P-Sh-Ex
03994955	A	24-9-92	Punt 1.45x6.00
14700350		17/4/00	Airknife SAK08 with P-Sh-N-Ex bar
15961000		5/9/00	P-Sh-N-Ex kompeet +transvector
15991000	A	4/4/00	P-Sh-N-Ex kompeet
15991010	A	4/9/00	P-Sh-N-Ex samenstelling
15991020	B	4/4/00	P-Sh-N-Ex staaf samenstelling
15991090	A	4/4/00	Tabel trafo's P-Sh-N-Ex
15992075		4-4-00	Binnenstaaf P-Sh-N-Ex
15993205		4-4-00	Isolator KE P-Sh-N-Ex
15994000		6-4-00	Transfer transparent P-Sh-N-Ex
15994005		4/9/00	Label typcplaat P-Sh-N-Ex
15994100	A	4/4/00	Kast P-Sh-N-Ex
15994110	B	4/4/00	Montage frame P-Sh-N-Ex
15994120	B	4/4/00	Desksel met beugel P-Sh-N-Ex
15994200	B	8/2/00	Sluitplaat kast P-Sh-N-Ex
15995000	A	4/4/00	Schematics P-Sh-N-Ex
70504308	A	10/5/93	PVC buis 10.6 x 1.5 mm
83962100	A	19/12/94	Trafo 230V / 50Hz - 6.4kV
83962101	A	19-12-94	Trafo 230V / 50Hz - 6.4kV
85200005	A	7/7/93	Lamp signaal 230V / 1W helder
88240415	A	19/12/94	Snocr, NWPk-4G 1.5mm <sup>2</sup>
88410100	B	11-3-97	High voltage cable no. 12
90062100	A	16/2/93	Adhesive AY - 103



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**Schedule**

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**EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2162X**

<b>Number</b>	<b>Issuc</b>	<b>Date</b>	<b>Description</b>
90062105	A	16/2/93	Hardener HY 956
90062110		20-12-94	Resin 10D 8DT-4KW

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

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**BASEEFA List Keywords**  
**2ANTSBAR**



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: BAS00ATEX2162X/1**

4 **Equipment or Protective System: TYPE P-Sh-N-Ex ANTI STATIC BAR**

5 **Manufacturer: SIMCO (NEDERLAND) B.V.**

6 **Address: Aalsvoort 74, NL-7241 MB Lochem, Netherlands**

7 This supplementary certificate extends EC-Type Examination Certificate No. BAS00ATEX2162X 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.

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File No: EECS 2763/03/002

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I M CLEARE  
DIRECTOR  
25 May 2001



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**Schedule**

14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2162X/1**

**Description of the Variation to the Equipment or Protective System**

**VARIATION 1.1**

To allow the use of alternative cable previously approved for use on similar apparatus covered by BASEEFA Certificate Ex 93Y8345X.

**VARIATION 1.2**

To allow minor dimensional and detail changes which do not affect certification.

**VARIATION 1.3**

Specification of the resin-hardener ratio now corresponds with manufacturer's instructions and the values always used.

**VARIATION 1.4**

To allow an alternative O-ring seal on the cable gland.

**Report Nos.**

None

**Special Conditions For Safe Use**

See original certificac.

**Essential Health and Safety Requirements**

See original certificac.

**DRAWINGS**

Number	Issue	Date	Description
03124120	D	6/12/2000	Isolator Steunblok P-Sh-N Staaf
15991010	B	8/5/2001	P-Sh-N-Ex Samenstelling
88250415	A	9/5/2001	Snoer, Oilflex
15992075	A	7/5/2001	Binnenstaaf P-Sh-N-Ex
15993205	A	8/12/2000	Isolator KE P-Sh-N-Ex
15991020	C	28/12/2000	P-Sh-N-Ex Staaf Samenstelling



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**Schedule**

14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2162X/1**

<b>Number</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
15994005	A	5/12/2000	Label typeplaat P-Sh-N-Ex
15961000	A	5/12/2000	P-Sh-N-Ex compleet + transvector
15991000	B	5/12/2000	P-Sh-N-Ex compleet
15994110	C	14/12/2000	Montage frame P-Sh-N-Ex
90062110	B	5/6/2001	Resin 10D8DT 4KW
03144050	B	4/5/2001	Wartel P-Sh-Ex

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**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: BAS00ATEX2162X/2**

**4 Equipment or Protective System: TYPE P-Sh-N-Ex ANTI-STATIC BAR**

**5 Manufacturer: SIMCO (NEDERLAND) B.V.**

**6 Address: Aalsvoort 74, NL-7240 AB Lochem, Netherlands**

**7 This supplementary certificate extends EC – Type Examination Certificate No. BAS00ATEX2162X 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.

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

Baseefa (2001) Ltd. Customer Reference No. 2763

Project File No. 04/0551

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.

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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 BAS00ATEX2162X/2

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

#### Variation 2.1

To allow the use of alternative screened and non-screened cable.

#### Variation 2.2

To allow the use of alternative transformers.

#### Variation 2.3

To update the artwork on the certification label.

### 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	Issue	Date	Description
88240416	-	29-06-2004	Line cord, neoprene 4 x AWG 16 UL/CSA SOOW
88250416	-	01/07/2004	Line cord, screened 4 x AWG 16 UL/CSA JZ-602-CY
15991090/B	B	16/09/2003	Table transformers P-Sh-N-Ex
15991010 /C	C	12/07/2004	P-Sh-N-Ex samenstelling
15994005 /C	C	19/08/2004	Label typeplaat P-Sh-N-Ex



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: **BAS00ATEX2162X/3**

4 Equipment or Protective System: **TYPE P-Sh-N-Ex ANTI-STATIC BAR**

5 Manufacturer: **SIMCO (NEDERLAND) B.V.**

6 Address: **Aalsvoort 74, NL-7240 AB Lochem, Netherlands**

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Baseefa Customer Reference No. 2763

Project File No. 05/0404

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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 BAS00ATEX2162X/3

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

**Variation 1.1**

Minor modification to the high voltage cable specification.

16 **Report Number**

N/A

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	Issue	Date	Description
88410150	B	18-06-2003	High Voltage Cable No. 12



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: **BAS00ATEX2162X/4**

4 Equipment or Protective System: **TYPE P-Sh-N-Ex ANTI-STATIC BAR**

5 Manufacturer: **SIMCO (NEDERLAND) B.V.**

6 Address: **Aalsvoort 74, NL-7240 AB Lochem, Netherlands**

7 This supplementary certificate extends EC - Type Examination Certificate No. BAS00ATEX2162X 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.

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Baseefa Customer Reference No. 2763

Project File No. 05/0523

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



13

## Schedule

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Certificate Number BAS00ATEX2162X/4

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

#### Variation 4.1

To allow the use of alternative potting compound Araldite CW 2245 with hardener HY956EN, both manufactured by Huntsman

#### Variation 4.2

To allow the use of a revised sheet steel cover option secured by 3 pop rivets

#### Variation 4.3

Addition of further material specifications and minor dimensional changes to the PVC tube specification

#### Variation 4.4

Revised mounting arrangement

#### Variation 4.5

The addition of an ATEX Category 2 blower.

### 16 Report Number

05(C)0523

### 17 Special Conditions for Safe Use

None in addition 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	Issue	Date	Description
15994100	B	16 Jun 2003	Kast P-Sh-N-Ex ( <i>Enclosure Construction</i> )
15994200	C	12 Jun 2003	Sluitplaat kast P-Sh-N-Ex ( <i>Enclosure Drilling</i> )
15994120	C		( <i>Enclosure Construction</i> )
14700351	B	12 Jun 2003	Airknife SAK08 with P-Sh-N-Ex Bar
15994180	C	13 Jun 2003	Deksel P-Sh-N-Ex ( <i>Enclosure Dimensions</i> )
14711000	-	8 May 2003	Typhoon-airknife with P-Sh-N-Ex bar
03124110	D	15 Jun 2003	Isolator DC P-Sh-N ( <i>Moulding Details</i> )
O-4200	-	8 Jul 2004	Aerostat type HPN-Ex ( <i>Air Blower</i> )
88410100	C	18 Jun 2003	High-voltage cable no.12 block
O6104015	-	19 Dec 2005	Table of Specifications HPN-Ex motor

Certificate Number  
BAS00ATEX2162X/4



Issued 26 January 2006  
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Number	Issue	Date	Description
15961000	B	21 Jul 2005	P-Sh-Ex-N complect + Transvector(en) ( <i>Assembly Drawing</i> )
90062245	-	21 Jul 2005	Resin Araldite CW 2245
15991000	C	21 Jul 2005	P-Sh-Ex-N complect ( <i>Assembly Drawing</i> )
15991020	D	26 Jul 2005	P-Sh-N-Ex staaf samenstelling ( <i>Assembly Drawing</i> )



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: **BAS00ATEX2162X/5**
- 4 Equipment or Protective System: **TYPE P-Sh-N-Ex ANTI-STATIC BAR**
- 5 Manufacturer: **SIMCO (NEDERLAND) B.V.**
- 6 Address: **Aalsvoort 74, NL-7240 AB Lochem, Netherlands**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **BAS00ATEX2162X** 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.

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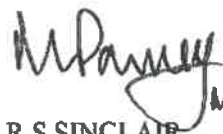
Baseefa Customer Reference No. 2763

Project File No. 05/0626

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**Baseefa**

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Baseefa is a trading name of Baseefa (2001) Ltd  
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PP R S SINCLAIR  
DIRECTOR  
On behalf of  
Baseefa (2001) Ltd.

Re-issued 25 June 2007



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## **Schedule**

14

**Certificate Number BAS00ATEX2162X/5**

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

#### **Variation 5.1**

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2006 and EN 60079-18:2004 in respect of the differences from EN 50014: 1997 + Amds 1 & 2 and EN 50028: 1987, and that none of these differences affect this equipment.

#### **Variation 5.2**

To allow the equipment to be used in certain hazardous dust environments and has been assessed by Baseefa and found to be in compliance with EN 61241-0: 2006 and EN 61241-18: 2004.

#### **Variation 5.3**

To allow mounting holes to be drilled within the transformer subassembly

#### **Variation 5.4**

To remove the restriction on maximum mounting distance of 200mm stated as Special Condition 2 on the original certificate.

#### **Variation 5.5**

Minor changes to drawings to reflect the change of design from 5 rivets to 3 rivets

#### **Variation 5.6**

Minor revisions to the airknife air slot and mounting distance.

#### **Variation 5.7**

Revision to cable specification code to account for changes to harmonised mains cable colours

#### **Variation 5.8**

Minor revisions to welding and tolerances of transformer housing

#### **Variation 5.9**

To allow the use of Teflon blocks to support and separate the anti-static bars

#### **Variation 5.10**

To allow the use of additional fibre ring washers

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### **Report Number**

Baseefa Certification Report 05(C)0626

17

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

The following special condition for safe use applies in place of Special Condition for Safe Use 1 listed on the prime certificate BAS00ATEX2162X:

1. The supply to the transformer shall be protected by a fuse with a 1500A rupturing capacity.





The following special conditions for safe use apply in addition to those listed previously:

2. The equipment must not be used in environments containing dusts which are electrically conductive i.e. having an electrical resistivity less than 1000 ohm metres.
3. The equipment must not be used in the presence of dusts having ignition energies less than 0.2mJ

#### 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	Issue	Date	Description
03124150	-	16-11-1995	Isolator KE Teflon P-Sh-N staat
03124160	-	16-11-1995	Isolator DE Teflon P-Sh-N staat
03124170	-	16-11-1995	Isolator steunblock Teflon P-Sh-N
03124180	-	16-11-1995	Isolator vulstuk Teflon P-Sh-N
03144050	C	21-7-06	Wartel PG-9 P-SH-(N)-Ex
06100000	A	12-3-2007	Aerostat HPN-Ex
06104010	-	20-12-05	Motor HP-N-Ex
06104015	-	19-12-05	Table of specifications HP-N-Ex motor
14711000	A	10-4-06	Typhoon airknife with P-Sh-N-Ex bar
14711005	-	19-4-06	Typhoon airknife with P-Sh-N-Ex bar
15961000	C	08-03-2007	P-Sh-N-Ex compleet + Transvector(en)
15991000	D	8-3-07	P-Sh-N-Ex compleet
15991010	D	12-6-06	P-Sh-N-Ex samenstelling
15994005	D	30-1-06	Label typeplaat P-Sh-N-Ex
15994120	D	14-3-2007	Deksel met beugel P-Sh-N-Ex
70504308	C	26-09-2001	PVC buis 10.6 x 1.5mm blauw
88240415	B	21-6-06	Line cord, H07-RN-F 4G1,5 mm2
90062105	B	12-03-2007	Hardener Aradur HY 956 EN
90062110	C	12-3-07	Resin Araldite 10D 8DT 4KW
90062245	A	12-3-07	Resin Araldite CW 2245



**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: BAS00ATEX2162X/6**

**4 Equipment or Protective System: TYPE P-Sh-N-Ex ANTI-STATIC BAR**

**5 Manufacturer: SIMCO (NEDERLAND) B.V.**

**6 Address: Aalsvoort 74, NL-7240 AB Lochem, Netherlands**

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Project File No. 07/0423

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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 (2001) Ltd  
Registered in England No. 4305578 at the above address

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

Re-issued 3 March 2008 to replace original



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## Schedule

14

Certificate Number BAS00ATEX2162X/6

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

**Variation 6.1**

To allow use of the antistatic bar assembly in Gas Group IIB environments.

**Variation 6.2**

Minor revisions to drawings.

16 **Report Number**

Baseefa Certification Report 07(C)0423

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	Issue	Date	Description
15961000	D	4-12-2007	P-Sh-N-Ex compleet + Transvector(en)
15991000	E	4-12-2007	P-Sh-N-Ex compleet
15991010	E	29-10-2007	P-Sh-N-Ex samenstelling
15994005	E	4-12-2007	Label typeplaat P-Sh-N-Ex



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: **BAS00ATEX2162X/7**
- 4 Equipment or Protective System: **Type P-Sh-N-Ex Anti-Static Bar**
- 5 This certificate is held by: **Simco (Nederland) B.V.**
- 6 Address: **Aalsvoort 74, NL-7240 AB Lochem, Netherlands**
- 7 This supplementary certificate extends EC - Type Examination Certificate No. BAS00ATEX2162X 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, 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. 2763

Project File No. 11/0415

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**

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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.

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

R S SINCLAIR  
DIRECTOR  
On behalf of  
Baseefa



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## **Schedule**

14

**Certificate Number BAS00ATEX2162X/7**

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

#### **Variation 7.1**

Minor addition of a stiffening bar when mounting an air-knife to the anti-static bar assembly.

#### **Variation 7.2**

Updated blower motor specification and marking to expand the existing T4 range to include T3 ATEX certification for use in gas environments.

#### **Variation 7.3**

Minor drawing updates to include article numbers to improve product identification.

#### **Variation 7.4**

Minor modification to the number of pop-rivets used in fastening the transformer's enclosure to the assembly.

#### **Variation 7.5**

Minor modification to allow the selection of component colours.

#### **Variation 7.6**

Minor modification to update the transformer's solder terminal lug.

#### **Variation 7.7**

Minor update to replace the High Voltage (HV) cable due to obsolescence.

#### **Variation 7.8**

Minor update to the HV cable for stripping the conductor core and its semiconducting polyethylene sheath, as well as changes to the cable part number, and cable protection sheath extension.

#### **Variation 7.9**

Addition of a new blower driven Typhoon air-knife which is of the opposite hand.

#### **Variation 7.10**

Minor modification to use "kalci nuts" inside the transformer enclosure with external screws, instead of rivets, for mounting the transformer enclosure when an air-knife is mounted to the anti-static bar assembly. Riveting tool access constraints mean that riveting is impractical in the available space.

### **16 Report Number**

Baseefa certification report 11(C)0415

**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**

<u>Number</u>	<u>Sheet</u>	<u>Issuc</u>	<u>Date</u>	<u>Description</u>
03.12.4.100	-	C	19 Nov 2009	Isolator KE P-Sh-N staaf
03124110	-	E	19 Nov 2009	Isolator DE P-Sh-N staaf
03.12.4.120	-	F	19 Nov 2009	Isolator steumblok P-Sh-N staaf
03124130	-	B	17 Nov 2009	Isolator vulstuk P-Sh-N staaf
06104015	-	A	09 Mar 2009	Table of specifications HP-N-Ex motor.
14700351	-	C	19 Nov 2009	Airknife SAK08 with P-Sh-N-Ex Bar
14711000	-	B	07 Dec 2009	Typhoon airknife with P-Sh-N-Ex bar
14731000	-	-	17 Jun 2010	Typhoon airknife with P-Sh-N-Ex bar
15961000	-	E	18 May 2010	P-Sh-N-Ex compleet + Transvector
15991000	-	F	18 Nov 2010	P-Sh-N-Ex complete
15991005	-	-	24 Nov 2010	P-Sh-N-Ex compleet (Typhoon)
15992075	-	B	19 Oct 2009	Binnenstaaf P-Sh-N-Ex
15994005	-	F	23 Apr 2009	Label typeplaat P-Sh-N-Ex
15994100	-	C	08 Dec 2009	Kast P-Sh-N-Ex
15.99.4.110	-	D	01 Dec 2009	Montage frame P-Sh-N-Ex
15994120	-	E	01 Dec 2009	Deksel met heugel P-Sh-N-Ex
15994180	-	D	17 Nov 2009	Deksel P-Sh-N-Ex
15994200	-	D	01 Dec 2009	Sluitplaat kast P-Sh-N-Ex
60-2263-xx	-	-	16 Mar 1981	Lötfahne
70504308	-	D	01 Dec 2009	PVC buis Ø10.6 x 1.5mm
83962100	-	B	22 Jun 2010	Trafo 230V-50Hz/6.4kV
83962101	-	A	19 Dec 1994	Trafo 230V-50Hz/6.4kV
88410150	-	C	20 Oct 2009	High-voltage cable no. 12 blue
X88410150	1 of 1	01	17 May 2011	Test instruction High-voltage cable no. 12
90052115	-	B	23 Oct 2008	Popnagel, TAP/D 33 BS
O-4229	-	A	17 Nov 2008	P-Sh-N-Ex 115V-50Hz + Transvectoren 2140mm

1 **SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EU - Type **BAS00ATEX2162X/8**  
Examination Certificate 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: **Type P-Sh-N-Ex Anti-Static Bar**

5 Manufacturer: **Simco (Nederland) B.V**

6 Address: **Aalsvoort 74, NL-7241 MB Lochem, Netherlands**

7 This supplementary certificate extends EC – Type Examination Certificate No. **BAS00ATEX2162X** to apply to products 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 Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, 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 The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. SGS 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.

9 Item 9 of the original Certificate is replaced by "Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**None**

except in respect of those requirements listed at item 18 of the Schedule."

12 The marking of the equipment has changed from the original Certificate and shall include the following:

 **II 2 G IIB T4**

 **II 2 D IIB 135°C**

SGS Baseefa Customer Reference No. 2763

Project File No. 17/0435

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Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN



R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

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## Schedule

14

Certificate Number BAS00ATEX2162X/8

### 15 Description of the variation to the Product

#### Variation 8.1

To assess the equipment against the latest ATEX Directive 2014/34/EU and permit the removal of the Ex protection concepts applied Ex “m” and “s”.

#### Variation 8.2

To updated the post code on the address.

### 16 Report Number

17(C)0435

### 17 Specific Conditions of Use

None additional to those listed previously.

### 18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is affected as follows.

Clause	Subject
1.0.5	Marking
1.0.6	Instructions

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
15961000	1 of 1	F	5-4-2017	P-Sh-N-Ex complete + Transvector
15991000	1 of 1	G	5-4-2017	P-Sh-N-Ex compeet
15991005	1 of 1	A	5-4-2017	P-Sh- N-Ex kompleet (Typhoon)
15994005	1 of 1	G	5-4-2017	Label typeplaat P-Sh-N-Ex