



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa06ATEX0117X**

4 Equipment or Protective System: **PL6\*\* Range of Junction Boxes**

5 Manufacturer: **Hawke International**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa (2001) Ltd., Notified Body number 1180, 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 No. **GB/BAS/Ex/TR06.0033/00**

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

**EN 60079-0:2004, EN60079-7:2003, EN 61241-0: 2004, EN 61241-1: 2004**

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

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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

**(Ex) II 2GD Exe II Ex tD A21 T(see schedule) 80°C Tamb -60°C to (see schedule)**

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

Baseefa Customer Reference No. **0500**

Project File No. **04/0901**

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**

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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 06/07/10 – minor clarifications



13

## Schedule

14

Certificate Number Baseefa06ATEX00117X

### 15 Description of Equipment or Protective System

The PL6\*\* Range of Junction Boxes consist of the type ZPL6\* range of plastic empty enclosures covered by Baseefa06ATEX0116U Exe II. The junction boxes are fitted with a variety of different terminal arrangements. All the terminals are covered by their own component certificates and are coded Exe II. The terminals are listed on D9160 held on Baseefa General Technical File 0500. The actual terminals fitted to each junction box will be listed in the schedule of the instruction sheet supplied with the junction box.

The terminals must be used within their relevant temperature range, voltage and current limitations, and fitted in accordance with IEC 60079 with regard to creepage and clearance distances by Hawke International. Details on drawing C2542 describe partitioning arrangements which allow for the termination of intrinsically safe (i.s.) circuits and non i.s. circuits within the same junction box. When i.s. circuits are present an additional label is fitted to the outside of the junction box stating 'INTRINSICALLY SAFE CIRCUITS ENCLOSED'.

The maximum power dissipation within each junction box is as follows:

BOX TYPE	Maximum Power Dissipation (Watts)																		Max. Cable Length per Terminal (M)
	T <sub>rating</sub> T6	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60 +40°C	T <sub>rating</sub> T6	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60 +55°C	T <sub>rating</sub> T6	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60 +65°C	T <sub>rating</sub> T5	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60 +40°C	T <sub>rating</sub> T5	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60/ +55°C	T <sub>rating</sub> T5	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60/ +65°C	
PL612		4.1			2.5			1.5			5.6			4.1			3.0		0.127
PL615		6.4			4.0			2.4			8.8			6.4			4.8		0.175
PL620		11.4			7.1			4.2			15.6			11.4			8.5		0.240
PL626		11.4			7.1			4.2			15.6			11.4			8.5		0.275
PL630		20.8			13.0			7.8			28.6			20.8			15.6		0.365

The maximum number of terminals which may be fitted into each junction box is calculate using the following formula:

$$\text{Power} = I^2 \times N (R_t + R_c) \text{ Watts}$$

Where:

I = Actual current through the conductor up to the maximum permitted certified current of the terminal when fitted in a junction box (Amps).

N = Number of terminals

R<sub>t</sub> = Terminal resistance (Ohms at 20°C)

R<sub>c</sub> = Resistance of one conductor (Ohms at 20°C) when using a maximum diagonal cable length listed in the above table.

Earth facilities and cable entries are described on the component certificate for the empty enclosures Baseefa06ATEX0116U. A suitable certified internal rail mounted earth terminal may be used. If a 'clean earth' is required a rail mounted power terminal may be used.

When required a component certified breather, drain or breather-drain may be fitted to the junction box as specified on the component certificate Baseefa06ATEX0116U. When fitted the IP rating of the junction box is reduced to the IP rating of the breather drain fitted, but must be a at least IP54, and may no longer be suitable for category 2D. Breather drains must be installed in their correct orientation in the bottom face of the junction box.

### 16 Report Number

GB/BAS/Ex/TR06.0033/00





**17 Special Conditions for Safe Use**

1. When used under dust layers the maximum depth shall be no greater than 50mm.
2. Unused cables entries must be fitted with the following stopping plugs:  
Hawke type 375 to Baseefa06ATEX0236U / IECEX BAS 06.0056U  
Hawke type 387 to Baseefa06ATEX0118U / IECEX BAS 06.0029U  
Redapt type PU-E-4 to SIRA00ATEX3091  
Redapt type PU-D to SIRA00ATEX1094  
Raxton types CK, CQ, CF and CB to SIRA00ATEX1073U  
  
The enclosure is limited to the temperature range of the stopping plug fitted.
3. Any breathing and draining device must be installed in its correct orientation in the bottom face of the enclosure.
4. All terminal screws, used and unused, shall be fully tightened down by the end user.
5. Insulation of conductors must extend to within 1mm of the metal of the terminal throat unless specified otherwise on the terminal certificate.
6. No more than one single or multi-stranded lead shall be connected to either side of any terminal unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated bootlace ferrule, or any method indicated on the terminal certificate.
7. Terminals shall be installed in such a manner that the creepage and clearance distances between the terminal and adjacent components, enclosure walls and covers complying with the requirements of IEC 60079 for the rated voltage of the equipment.
8. Terminal temperatures must not exceed the operating range specified on the component certificate.
9. All terminals, and accessories such as cross-connectors, shall be installed in accordance with the terminal manufactures instructions. Hawke International will supply the relevant terminal manufacturer's instructions with each junction box covered by this certificate.
10. The maximum voltage, current and dissipated power shown on the rating label must not be exceeded.
11. When connecting conductors of cross section below the maximum allowed for the particular terminal then the maximum amps per pole must be reduced inline with the maximum amps permitted for a terminal equivalent to the conductor size fitted e.g. If a terminal that can take a 10mm<sup>2</sup> conductor at 40Amps is fitted with a 4mm<sup>2</sup> conductor then the current shall be reduced to a maximum of 22Amps, or the rating marked on the apparatus label, whichever is the lower.

**18 Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

**19 Drawings and Documents**

Number	Sheet	Issue	Date	Description
C2542	-	B	31/07/06	PL6** General Arrangement
9004	-	B	03/08/06	PL626 General Arrangement

All drawings are common to and held on IECEX BAS 06.0028X



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: **Baseefa06ATEX0117X/1**
- 4 Equipment or Protective System: **PL6\*\* RANGE OF JUNCTION BOXES**
- 5 Manufacturer: **HAWKE INTERNATIONAL**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0117X 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.

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

Baseefa Customer Reference No. **0500**

Project File No. **10/0532**

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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





13

## Schedule

14

Certificate Number Baseefa06ATEX0117X/1

15 Description of the variation to the Equipment or Protective System

### Variation 1.1

To allow the use of the following stopping plug:

Manufacturer	Product	Type	Certificate Number	IP Rating
Hawke	Stopping Plug	387/1	Sira06ATEX1240U Operating Temperature -20°C to +60°C	IP66

16 Report Number

GB/BAS/TR10.0155/00

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

None



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0117X/2**

4 Equipment or Protective System: **PL6\*\* RANGE OF JUNCTION BOXES**

5 Manufacturer: **HAWKE INTERNATIONAL**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0117X 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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Baseefa Customer Reference No. **0500**

Project File No. **10/0718**

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Registered in England No. 4305578. Registered address as above.

  
PP R S SINCLAIR   
DIRECTOR  
On behalf of  
Baseefa





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## Schedule

14

Certificate Number Baseefa06ATEX0117X/2

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

### Variation 2.1

Addition of further Special Condition for Safe Use regarding closing of unused entries.

16 **Report Number**

GB/BAS/TR10.0270/00

17 **Additional Special Conditions for Safe Use**

Unused entries may be fitted with alternative stopping plugs and or breather drains to those listed in the schedule. The user is responsible for ensuring that the protection concept, temperature class and relevant IP rating are maintained.

18 **Essential Health and Safety Requirements**

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

19 **Drawings and Documents**

None



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa06ATEX0117X/3**

4 Equipment or Protective System: **PL6\*\* RANGE OF JUNCTION BOXES**

5 Manufacturer: **HAWKE INTERNATIONAL**

6 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0117X 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.

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

**IEC 60079-0: 2011 EN 60079-7: 2007 EN 60079-31: 2009**

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

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

**⊕ II 2GD Ex e IIC T(see schedule) Gb Ex tb IIC T80°C Db IP66 and IP67**  
**Tamb -60°C to +(see schedule)**

This certificate shall be held with the original certificate and may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0500**

Project File No. **12/0352**

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.

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Registered in England No. 4305578. Registered address as above.

  
PP R S SINCLAIR   
DIRECTOR  
On behalf of  
Baseefa





13

## Schedule

14

Certificate Number Baseefa06ATEX0117X/3

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

#### Variation 3.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of IEC 60079-0: 2011, EN 60079-7: 2007, EN 60079-31: 2009 in respect of the differences from EN 60079-0: 2004, EN 60079-7: 2003, EN 61241-0: 2004 and EN 61241-1:2004, and the equipment has been assessed and is in compliance with the requirements of the latest standards.

The marking is now as follows:

⊕ II 2GD Ex e IIC T(see schedule) Gb Ex tb IIIC T80°C Db IP66 and IP67

Tamb -60°C to +(see schedule)

### 16 Report Number

GB/BAS/TR12.0113/00

### 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 not affected by this variation.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
C2542	---	C	03/04/12	General arrangement type 'PL6' series junction box
9004	1 of 1	C	03/04/12	PL626 Certification drawing

Drawings held on IECEx BAS 06.0028X and common to Baseefa06ATEX0117X

**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: Baseefa06ATEX0117X/4**

**4 Equipment or Protective System: PL6\*\* RANGE OF JUNCTION BOXES**

**5 Manufacturer: HAWKE INTERNATIONAL**

**6 Address: Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

**7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0117X 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.

Baseefa Customer Reference No. **0500**

Project File No. **15/0106**

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R S SINCLAIR  
GENERAL MANAGER

On behalf of SGS Baseefa Limited



13 **Schedule**

14 **Certificate Number Baseefa06ATEX0117X/4**

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

**Variation 4**

To add new PL642 and PL644 junction boxes

BOX TYPE	Maximum Power Dissipation (Watts)																		Max. Cable Length per Terminal (M)
	T <sub>rating</sub> T6	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60/+40°C	T <sub>rating</sub> T6	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60/+55°C	T <sub>rating</sub> T6	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60/+65°C	T <sub>rating</sub> T5	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60/+40°C	T <sub>rating</sub> T5	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60/+55°C	T <sub>rating</sub> T5	T <sub>amb</sub> 80°C	T <sub>amb</sub> -60/+65°C	
PL642	20.8			13.0			7.8			28.6			20.8			15.6			0.432
PL644	20.8			13.0			7.8			28.6			20.8			15.6			0.528

16 **Report Number**

GB/BAS/ExTR15.0222/00

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 not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
C2542	D	29/07/15	General Arrangement Type PL6 Series Junction Boxes

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 **Baseefa06ATEX0117X/5**  
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: **PL6\*\* Range of Junction Boxes**

5 Manufacturer: **Hawke International**

6 Address: **A Division of Hubbell Limited  
A Member of the Hubbell Group of Companies  
Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0117X 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.

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

**EN 60079-0: 2012 + A11:2013 EN 60079-1: 2014 EN 60079-7: 2007 EN 60079-11: 2012 EN 60079-31: 2014**

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 2G Ex e IIC T(see schedule) Gb

⊕ II 2D Ex tb IIIC T80°C Db

See schedule for marking for Intrinsic Safety (terminals) and flameproof (fuses)

SGS Baseefa Customer Reference No. **0500**

Project File No. **17/0235**

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R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa06ATEX0117X/5**

15 **Description of the variation to the Product**

**Variation 5.1**

To confirm that the junction boxes covered by this certificate have been reviewed against the requirements of EN 60079-31: 2014 in respect of the differences from EN 60079-31: 2009, and comply with the requirements of the latest standard.

**Variation 5.2**

Add additional optional accessories as listed on the ZPL6 range of enclosures to Baseefa06ATEX0116U:

Manufacturer	Product	Type	Certificate Number	IP Rating
Hawke	Stopping Plug	375	IECExBAS12.0065X Baseefa12ATEX0095X -60°C to +75°C	IP66/67
Hawke	Stopping Plug	387	IECExBAS06.0029U Baseefa06ATEX0118U Nitrile o-ring: -60°C to +80°C Silicone o-ring: -60°to +160°C	IP66/67
Hawke	Stopping Plug	487	IECExBAS11.0071X Baseefa11ATEX0149X Nitrile o-ring: -60°C to +80°C Silicone o-ring: -60°to +150°C	IP66/67
Raxton	Stopping Plug	CK, CQ, CF & CB	IECEXSIR07.0009X SIRA10ATEX1224X Operating Temperature -20°C to +60°C	IP66
Hawke	Breather Drain	389	IECExBAS11.0075X Baseefa11ATEX0153X Nitrile o-ring: -60°C to +80°C Silicone o-ring: -60°to +150°C	IP66
Raxton	Breather Drain	CV	IECEXSIR09.0096X Sira10ATEX3279X Operating Temperature -20°C to +65°C	IP66
Walsall	Breather Drain	BDE	IECExBAS06.0078U Baseefa06ATEX0285U Operating Temperature Nitrile o-ring: -20°C to +70°C Silicone o-ring: -60°to +160°C	IP66
Redapt	Breather Drain	DP-E	IECEXSIR08.0024U Sira99ATEX3050U Operating Temperature -50°C to +85°C	IP66



Manufacturer	Product	Type	Certificate Number	IP Rating
Hawke	Int/Ext Earth	IES10, IES6/12, ES6/12	IECExBAS09.0013U Baseefa09ATEX0039U -60°to +200°C	IP66

### Variation 5.3

For commercial purposes to suit the application, the PL6\*\* range of junction boxes may be marked with Intrinsically Safety (I.S.) Ex i\* coding. The manufacturer may opt to show both Ex e and Ex i\* coding or just show Ex i\* coding on the certification label.

Marking options:

- When only Ex e coding is marked on the certification label with the addition of a traffolyte label stating 'Intrinsically Safe circuits enclosed' or 'Intrinsically Safe and Non- Intrinsically Safe circuits enclosed', then the manufacturer shall show the ratings as the standard Ex e wattage, current and voltage ratings.
- When both Ex e and Ex i\* coding is marked on the certification label, then the manufacturer shall show the ratings as the standard Ex e wattage, current and voltage ratings.
- When only Ex i\* coding is marked on the junction box, then the manufacturer shall show the ratings as the reduced I.S. wattage, current and voltage ratings in-line with EN 60079-11.

The marking is as follows:

⊕ II 2G Ex ib IIC T6 Gb

⊕ II 2D Ex ib IIIC T80°C Db

or

⊕ II 1G Ex ia IIC T6 Ga

⊕ II 1D Ex ia IIIC T80°C Da

### Variation 5.4

For commercial purposes, amend the dust Temperature Class to T95°C when used in conjunction with T5 for Ex e Ex tb.

BOX TYPE	Maximum Power Dissipation (Watts)															Max. Cable Length per Terminal (M)		
	T <sub>rating</sub> T6	T <sub>dust</sub> 80°C	T <sub>amb</sub> -60 +40°C	T <sub>rating</sub> T6	T <sub>dust</sub> 80°C	T <sub>amb</sub> -60 +55°C	T <sub>rating</sub> T6	T <sub>dust</sub> 80°C	T <sub>amb</sub> -60 +65°C	T <sub>rating</sub> T5	T <sub>dust</sub> 95°C	T <sub>amb</sub> -60 +40°C	T <sub>rating</sub> T5	T <sub>dust</sub> 95°C	T <sub>amb</sub> -60 +55°C		T <sub>rating</sub> T5	T <sub>dust</sub> 95°C
PL612	4.1		2.5			1.5			5.6			4.1			3.0			0.127
PL615	6.4		4.0			2.4			8.8			6.4			4.8			0.175
PL620	11.4		7.1			4.2			15.6			11.4			8.5			0.240
PL626	11.4		7.1			4.2			15.6			11.4			8.5			0.275
PL630	20.8		13.0			7.8			28.6			20.8			15.6			0.365
PL642	20.8		13.0			7.8			28.6			20.8			15.6			0.432
PL644	20.8		13.0			7.8			28.6			20.8			15.6			0.528

### Variation 5.5

Include the option to fit Bartec GmbH type 07-7311-63J2/\*\* fuse terminals:

To IECEX PTB 11.0083U

Service Temperature Range -25°C to +100°C

1.6A and 2.0A versions, types:

07-7311-63J2/JM (1.6A, Medium time lag)



07-7311-63J2/KM (2.0A, Medium time lag)

07-7311-63J2/JT (1.6A, Time lag)

07-7311-63J2/KT (2.0A, Time lag)

The fuse terminals or a combination of these fuse terminals with power terminals may be fitted in the PL620, PL630, PL626, PL642 and PL644 junction boxes. When fuse terminals are fitted the junction boxes become 'defined arrangements'.

The marking is as follows due to the fuse terminals:

- a)  II 2GD Ex db e IIC T6 Gb Ex tb IIIC T80° Db Tamb -25°C to +40°C  
or  
b)  II 2GD Ex db e IIC T5 Gb Ex tb IIIC T95° Db Tamb -25°C to +55°C

## 16 Report Number

GB/BAS/ExTR17.0099/00

## 17 Specific Conditions of Use

All previously listed conditions are replaced as follows including the new fuse terminal condition:

1. Unused entry holes must be fitted with stopping plugs as listed on the ZPL6 component certificate Baseefa06ATEX0116U. The operating temperature range and Ingress Protection rating of the enclosure is limited to that of the stopping plug fitted.
2. Any breathing and draining device as listed on the ZPL6\*\* component certificate Baseefa06ATEX0116U may be fitted. The breather/drain devices must be installed in their correct orientation in either the bottom face of the junction box. The operating temperature range and Ingress Protection rating of the junction box is limited to that of the breather/drain device fitted.
3. All terminal screws, used and unused, shall be fully tightened down by the end user.
4. Insulation of conductors must extend to within 1mm of the metal of the terminal throat unless specified otherwise on the terminal certificate.
5. No more than one single or multi-stranded lead shall be connected to either side of any terminal unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated bootlace ferrule, or any method indicated on the terminal certificate.
6. Terminals and their accessories shall be installed in such a manner that the creepage distances and clearances between the terminal and adjacent components, enclosure walls and covers comply with the requirements of EN 60079-7 and EN 60079-11 for the rated voltage of the equipment.
7. Terminal temperatures must not exceed the operating range specified on the component certificate for the terminal.
8. All terminals, and accessories such as cross-connectors, shall be installed in accordance with the terminal manufactures instructions. Hawke International will supply the relevant terminal manufacturer's instructions with each junction box covered by this certificate.
9. The maximum voltage, current and dissipated power shown on the rating label must not be exceeded.
10. When connecting conductors of cross section below the maximum allowed for the particular terminal then the maximum amps per pole must be reduced in-line with the maximum amps permitted for a terminal equivalent to the conductor size fitted e.g. If a terminal that can take a 10mm<sup>2</sup> conductor at 40Amps is fitted with a 4mm<sup>2</sup> conductor then the current shall be reduced to a maximum of 22Amps, or the rating marked on the apparatus label, whichever is the lower.
11. When label fixing is by screws complete with Nyloc nuts then the Ingress Protection Rating is IP66.
12. Unused entries may be fitted with alternative stopping plugs and or breather drains to those listed in the schedule. The user is responsible for ensuring that the protection concept, temperature class and relevant IP rating are maintained.

13. When fuse terminals are fitted, the low ambient temperature is limited to -25°C and the junction box becomes a defined arrangement.

**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
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Changed drawing:

C2542	E	13/04/17	General arrangement type PL6 series
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New Drawings:

* C2500	A	11/04/17	General arrangement Bartec fuses in Exe junction boxes
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All drawings are held with IECEx BAS 06.028X and common to Baseefa06ATEX0117X.

\* This 'fuse' drawing is also common to Hawke Ex e IIC Sheet Metal range of junction boxes to:  
IECEX BAS 08.0065X and common to Baseefa08ATEX0208X.

A copy of this drawing is also held on IECEx BAS 08.0065X.



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 **Baseefa06ATEX0117X/6**  
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: **PL6\*\* Range of Junction Boxes**

5 Manufacturer: **Hawke International**

6 Address: **A Division of Hubbell Limited  
A Member of the Hubbell Group of Companies  
Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0117X 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.

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

**EN IEC 60079-0: 2018 EN 60079-7: 2015 EN 60079-11: 2012 EN 60079-31: 2014**

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 2G Ex eb IIC T(see schedule) Gb

⊕ II 2D Ex tb IIIC T(see schedule) Db

**Tamb (see schedule)**

See schedule for marking for Intrinsic Safety

SGS Baseefa Customer Reference No. **0500**

Project File No. **18/0484**

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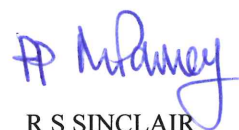
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**R S SINCLAIR**  
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

**M POWNEY**  
Certification  
Manager

13 **Schedule**

14 **Certificate Number Baseefa06ATEX0117X/6**

15 **Description of the variation to the Product**

**Variation 6.1**

To confirm that the products covered by this certificate have been reviewed against the requirements of EN IEC 60079-0: 2018 and EN 60079-7: 2015 in respect to the differences from EN 60079-0: 2012+A11: 2013 and EN 60079-7: 2007, and that none of these differences in the standards affects this product except the marking with regard to Increased Safety Ex eb.

The products are in compliance with EN IEC 60079-0: 2018, EN 60079-7: 2015, EN 60079-11: 2012 and EN 60079-31: 2014. The PL6 Range of Junction Boxes are now marked as follows:

⊕ II 2G Ex eb IIC T\* Gb

⊕ II 2D Ex tb IIIC T\* Db

For Temperature Class T\* and Temperature Ambient (see previous schedules)

or

The marking for Intrinsic Safety junction boxes remains unchanged:

⊕ II 2G Ex ib IIC T6 Gb

⊕ II 2D Ex ib IIIC T80°C Db

For Temperature Class T\* and Temperature Ambient (see previous schedules)

or

⊕ II 1G Ex ia IIC T6 Ga

⊕ II 1D Ex ia IIIC T80°C Da

For Temperature Class T\* and Temperature Ambient (see previous schedules)

**Variation 6.2**

Include the use of optional high bond tape for securing labels.

**Variation 6.3**

Include minor label artwork changes.

**Variation 6.4**

The Bartec GmbH type 07-7311 series fuse terminals have been omitted from this junction box range.

16 **Report Number**

GB/BAS/ExTR18.0266/00

17 **Specific Conditions of Use**

None additional to those listed previously.

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**18 Essential Health and Safety Requirements**

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

**19 Drawings and Documents**

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
C2542	---	F	17/10/18	General arrangement type 'PL6' series junction boxes

This drawing is common to, and held with, IECEX BAS 06.0028X

**Note:**

Drawing Number C2500 General Arrangement Bartec fuses in a range of Ex e junction boxes, has now been omitted from this range of junction boxes.



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 **Baseefa06ATEX0117X/7**  
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: **PL6\*\* Range of Junction Boxes**

5 Manufacturer: **Hawke International**

6 Address: **A Division of Hubbell Limited, A Member of the Hubbell Group of Companies, Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa06ATEX0117X 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 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 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 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.

SGS Fimko Oy Customer Reference No. **0500**

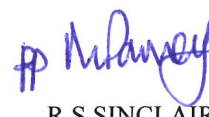
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**R S SINCLAIR**

Authorised Signatory for SGS Fimko Oy

M POWNEY  
Certification  
Manager

13

## **Schedule**

14

**Certificate Number Baseefa06ATEX0117X/7**

### **15 Description of the variation to the Product**

#### **Variation 7.1**

For commercial purposes to suit the end users' application, the manufacturer has requested an optional alternative Gas and Dust Group marking code.

The Gas Group code in the marking may be changed from IIC to that of either IIA or IIB on all products.  
The Dust Group code in the marking may be changed from IIIC to that of either IIIA or IIIB on all products.

### **16 Report Number**

GB/BAS/ExTR20.0080/00

### **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 not affected by this variation.

### **19 Drawings and Documents**

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
C2542	1 of 1	G	27/04/20	General Arrangement Type 'PL6' Series Junction Boxes

This drawing is common to, and held on, IECEx BAS 06.0028X