



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

- 3 EC - Type Examination Certificate Number: **Baseefa06ATEX0116U**
- 4 Component: **ZPL6** Range of Enclosures**
- 5 Manufacturer: **Hawke International**
- 6 Address: **Oxford Street West, Ashton-under-Lyne, OL7 0NA**
- 7 This component 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 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 No. **GB/BAS/ExTR06.0032/00**
- 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 The sign "U" is placed after the certificate number. It 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.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified Component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
- 12 The marking of the component shall include the following :

 **II 2GD Exe II Ex tD A21**

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

Baseefa Customer Reference No. 0500

Project File No. 04/0902

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

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site 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.



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Schedule

14

Certificate Number Baseefa06ATEX0116U

15 Description of Component

The ZPL6** Range of Enclosures are square or rectangular enclosures moulded from glass reinforced polyester. The enclosures are available in the following sizes:

Enclosure	length (mm)	width (mm)	height (mm)
ZPL 612	120	120	74
ZPL 615	150	150	94
ZPL 620	200	200	127
ZPL 630	300	300	127
ZPL 626	260	160	106.5

The enclosures comprise of two parts. The base with moulded external mounting lugs at each corner and the removable cover secured by 4 screws retained in the cover by nylon washers or a special moulding in the lid. The cover fixings screw into moulded inserts at the corners of the body. The inserts may alternatively be clipped or glued in position where applicable.

Ingress protection of at least IP66 and IP67 is achieved by the use of a silicone O-ring located in a groove in the cover which is compressed on assembly of the cover and base by a moulded protruding lip on the base. Controlled compression is achieved by suitable selection of the depth of cover groove and height of base lip.

Brass or stainless steel inserts are provided in the base for fixing internal components. Any of the sides of the enclosure, including the base and lid, may be drilled and tapped or drilled with clearance holes for cable entries. The maximum number, size and allowed location of these holes is defined on the relevant drawings listed below.

Provision is made for up to four extra optional blind holes on either the cover or the base, or both, for the purpose of fixing additional labels on all 5 enclosure sizes.

The marking details may be embossed into the lid in a recess of up to 1mm depth on the ZPL612, ZPL615, ZPL620 and ZPL630 enclosures.

The enclosures may be fitted with either a flat metallic mounting plate or an earth continuity plate which is a cruciform shape with four folded up stands with punchings for cable entry devices in the up stands. The earth continuity plate may also consist of metal up stands riveted or welded to a metal base plate or simply just the up stands on their own. Both the mounting plate and the earth continuity plate are suitably drilled and punched where appropriate for mounting to the enclosure base and for the mounting of enclosure components. Screws and washers are used to secure the plate to the base of the enclosure using the moulded-in inserts provided in the base.

The enclosure may additionally be fitted with an external/internal earth stud assembly covered by BASEEFA Certificate No. BAS01ATEX2111U.

The enclosures may be coated with an electromagnetic interference shielding material. The coating is either nickel or silver and may be applied internally, externally or both and may include a decorative black polyurethane finish. Both materials are held in a polyurethane resin binder. This coating is carried out by Hawke International.

When enclosures are externally EMC coated an internal/external earth stud assembly is always fitted.



The enclosures are normally black but may be produced in alternative colours by coating with an acrylic or epoxy (xylene solvent based) paint finish. The customer may paint the enclosure in accordance with procedures supplied by Hawke International.

Variation One

When required a component approved breather, drain or breather-drain, as shown below, may be fitted to the enclosure as specified in the certification documents.

16 Report Number

GB/BAS/ExTR06.0032/00

17 Schedule of Limitations

1. Only the following breather is approved for use with these enclosures:-

Manufacturer and type	Certificate No.	Code	Dust IP rating
Redapt	SIRA 99 ATEX 3050U	EEx c I/II, (Enclosure ambient reduced to -50°C)	6

2. The breathers must be installed in their correct orientation in the bottom face of the enclosure.
3. The enclosures shall not be exposed to temperatures outside the range -60°C to 75°C.
4. Unused entry holes 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 PD-E-4 to Sira00ATEX3091 and Type PD-U to Sira00ATEX1094
Raxton Type Ck, CQ, CF and CB to Sira00ATEX1073U.

The enclosure is limited to the temperature range of the stopping plug fitted.

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
C2541	-	D	01/08/06	ZPL6** General Arrangement
9002	-	C	01/08/06	ZPL626 General Arrangement/Certification Drawing
B2551	sht1	C	05/07/06	PL612 Base
B2551	sht2	B	05/07/06	PL612 Lid
B2552	sht1	C	05/07/06	PL615 Base
B2552	sht2	B	05/07/06	PL615 Lid
B2553	sht1	B	05/07/06	PL620 Base
B2553	sht2	B	05/07/06	PL620 Lid
B2554	sht1	B	05/07/06	PL630 Base
B2554	sht2	B	05/07/06	PL630 Lid
9047	-	B	06/07/06	PL626 Base
9048	-	B	06/07/06	PL626 Lid

All drawings are common to and held on IECEX BAS 06.0027U



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 Examination Certificate Number: **Baseefa06ATEX0116U/1**

4 Component: **ZPL6** RANGE OF ENCLOSURES**

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. Baseefa06ATEX0116U 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, without any change, schedule included.

Baseefa Customer Reference No. 0500

Project File No. 07/0143

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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 web site www.baseefa.com
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R S SINCLAIR
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Schedule

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Certificate Number Baseefa06ATEX0116U/1

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

To allow the use of an alternative hollow section silicone rubber o-ring. When fitted the enclosures are suitable for an ingress protection rating of IP66, IP67 and IP68 at 3 metres for 3 hours.

16 **Report Number**

GB/BAS/TR07.0030/00

17 **Schedule of Limitations**

None

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
C2541	E	14/02/07	ZPL6 General Arrangement
9002	D	14/02/07	ZPL626 General Arrangement

All drawings are common to BAS01ATEX2101U and common to and held on IECEx BAS 06,0027U