



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 : **BAS01ATEX2102U**

Component: **ZPL7** RANGE OF ENCLOSURES**

Manufacturer: **HAWKE CABLE GLANDS LTD**

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

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°

99(C)0836/2 dated 11 July 2001

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amds 1 & 2 EN 50019: 2000 EN 50281-1-1: 1998

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:-

Ex II 2 GD EEx e II

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

File No: EECS 0500/03/044

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.bascefa.com e-mail: bascefa.info.eecs@hsl.gov.uk



I M CLEARE
DIRECTOR
11 July 2001



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EC-TYPE EXAMINATION CERTIFICATE No. BAS01ATEX2102U

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Description of Component

The ZPL7** Range of Enclosures are square or rectangular enclosures moulded from glass reinforced polyester. The enclosures are black in colour and available in the following sizes:

Enclosure	length (mm)	width (mm)	height (mm)
ZPL 712	120	120	84
ZPL 722	220	120	84

The enclosures comprise of two parts. The base with moulded external mounting lugs at two corners and the removable cover secured by 4 x M5 screws retained in the cover by nylon washers or a special moulding in the lid. The cover fixings screw into moulded in inserts at the corners of the body. The body is fitted with an integral brass or steel earth plate.

Ingress protection of at least IP66 is achieved by the use of a silicone rubber gasket 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, or tapped holes, 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 drawing number C2539.

Provision is made for up to four extra optional blind holes in the cover only, for the purpose of fixing additional labels. The marking details may be embossed into the lid in a recess of up to 1mm depth.

The enclosure may be fitted with an external/internal earth stud assembly covered by BASEEFA Certificate No. BAS01ATEX2111U. The two external mounting feet on the body also provide a means of earth connection being connected via a metal bush linked through the wall of the base to the internal integral earth continuity plate.

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 Cable Glands Ltd.

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



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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 Cable Glands Ltd.

VARIATION ONE

When required a component approved breather, drain or breather-drain may be fitted to the enclosure as specified in the certification documents. When fitted the IP rating of the enclosure is reduced to the IP rating of the device fitted and may no longer suitable for category 2D.

Fitting a Redapt breather covered by certificate SIRA 99 ATEX 3050U does not effect the IP rating of the enclosure and thus requires no change in marking.

Fitting any of the alternative breathers specified in the certification documents reduces the dust ingress protection to IP5*. The designation of the enclosure will be changed as shown below:

add suffix /1 eg. ZPL712 becomes ZPL712/1

The marking of the enclosure shall include the following:-

Ⓔ II 2G 3D EEx e II

16. Report No.

99(C)0836/2

17. Schedule of Limitations

1. Only the following breathers are approved for use with these enclosures:-

Manufacturer and type	Certificate No.	Code	Dust IP rating
KRON Type DLP	NEMKO Ex 94C086X	EEx e II	5
Tranberg A.S. TEF7302	NEMKO 88.217	EEx e II	5
Weidmuller BD1	BASEEFA Ex 86B3174U	EEx e II	5
Redapt	SIRA 99 ATEX 3050U	EEx e I/II	6

2. The breathers must be installed in their correct orientation in the bottom face of the enclosure. The enclosure IP rating shall match the breather and must be at least IP54.

3. The enclosures shall not be exposed to temperatures outside the range -20°C to 75°C.

4. Unused entry holes must be fitted with either Hawke Type 375 or Type 387 Stopping Plugs.



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18. Essential Health and Safety Requirements

None that aren't covered by assessment against EN 50014: 1997, EN 50019: 2000 and EN 50281-1-1: 1998.

19. DRAWINGS

Number	Sheet	Issue	Date	Description
C2539	1	A	10/4/00	General Assembly
B2544	1	A	12/6/00	ZPL712 body
B2544	2	A	12/6/00	ZPL712 lid
B2545	1	A	12/6/00	ZPL722 body
B2545	2	A	12/6/00	ZPL722 lid
C2546		A	12/6/00	ZPL712 continuity plate
C2547		A	12/6/00	ZPL722 continuity plate
D2548		A	12/6/00	M5 insert
D2549		A	12/6/00	Mounting foot
D2550		A	12/6/00	Clamp washer
A1272 **	1	A	1/5/01	Instructions

** Common to and held with certificate BAS01ATEX2101U.

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BASEEFA List Keywords
2ENCLOSU



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number : **BAS01ATEX2102U/1**

4 Component: **ZPL7** RANGE OF ENCLOSURES**

5 Manufacturer : **HAWKE INTERNATIONAL**

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

7 This supplementary certificate issued by Baseefa (2001) Ltd., Notified Body Number 1180, extends EC - Type Examination Certificate No. BAS02ATEX2102U 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 Electrical Equipment Certification Service, Notified Body Number 0600, retains responsibility for its original documentation. Baseefa (2001) Ltd. is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate that it has issued.

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

Baseefa (2001) Ltd. Customer Reference No. 0500

Project File No. 02/0272

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.

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

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

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 web site www.baseefa2001.biz

Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,
Derbyshire, SK17 9BJ



Schedule

Description of the variation to the Component

Variation 1.1

To allow a reduction in thickness of the integral earth continuity plate to 1.2mm and minor changes to the holes and inserts used.

Variation 1.2

To allow a reduction in the depth of the recess in the ZPL722 lid to increase the compression of the lid gasket.

Report No.

None

Schedule of Limitations

See original certificate

Essential Health and Safety Requirements

See original certificate

Drawings and Documents

Number	Sheet	Issue	Date	Description
C2539		B	24/9/02	General Assembly
B2544	1 of 2	B	24/9/02	ZPL712 Body
B2545	1 of 2	B	24/9/02	ZPL722 Body
B2545	2 of 2	B	24/9/02	ZPL722 Lid
C2546		B	24/9/02	ZPL712 Continuity Plate
C2547		B	24/9/02	ZPL722 Continuity Plate
D2548		B	24/9/02	M5 Insert
D2549		B	24/9/02	Mounting Foot



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: **BAS01ATEX2102U/2**

4 Component: **ZPL7** 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. BAS01ATEX2102U 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.

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Baseefa (2001) Ltd. Customer Reference No. **0500**

Project File No. **03/0453**

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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 web site 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.



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Certificate Number BAS01ATEX2102U/2

15 Description of the variation to the Component

Variation 2.1

To allow the use of alternative ATEX approved stopping plugs:

Redapt Plastic Type P0-E-4	SIRA00ATEX3091
Redapt Metal Type P0-U	SIRA00ATEX1094
Raxton Plastic & Metal Types CK, CQ, CF & CB	SIRA00ATEX1073U

16 Report Number

None

17 Schedule of Limitations

1. The plugs shall be fitted in tapped holes perpendicular to the outer surface of the box.

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
C2539	1	C	20/5/03	General arrangement



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: **BAS01ATEX2102U/3**

4 Component: **ZPL7** 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. BAS01ATEX2102U 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.

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

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Baseefa Customer Reference No. **0500**

Project File No. **07/0143**

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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Certificate Number BAS01ATEX2102U/3

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

Variation 3.1

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**

07(C)0143

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	Issue	Date	Description
C2539	D	14/02/07	ZPL7 General Arrangement