


## UK-TYPE EXAMINATION CERTIFICATE

Component Intended for use on/in a Product or Protective System Intended for use in  
Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number: **BAS21UKEX0035U**
- Product: **ZPL7\*\* Range of Enclosures**
- Manufacturer: **Hawke International**
- Address: **A Division of Hubbell Limited, A Member of the Hubbell Group of Companies, Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product 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 Schedule 1 of the Regulations.
- The examination and test results are recorded in confidential Report No. **21(C)0033**
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN IEC 60079-0:2018 EN IEC 60079-7: 2015: +A1: 2018 EN 60079-11: 2012 EN 60079-31: 2014**  
except in respect of those requirements listed at item 18 of the Schedule.
- 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 the basis for certification of an equipment or protective system.
- This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:

 **II 2G Ex eb IIC Gb**

**See schedule for Intrinsic Safety marking**

 **II 2D Ex tb IIIC Db**

SGS Baseefa Customer Reference No. **0500**

Project File No. **21/0033**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.sgs.com/SGSBaseefa/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

### SGS Baseefa Limited

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [baseefa@sgs.com](mailto:baseefa@sgs.com) web site [www.sgs.co.uk/sgsbaseefa](http://www.sgs.co.uk/sgsbaseefa)

Registered in England No. 4305578.

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



0191



R S SINCLAIR  
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13

## Schedule

14

Certificate Number BAS21UKEX0035U

### 15 Description of Product

The ZPL7\*\* Range of Empty 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 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 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.

The enclosures may be supplied with an integral/moulded-in brass or steel earth continuity plate in the base, or the enclosures may be supplied without an integral continuity plate.

If required, the enclosures without an integral continuity plate may be fitted with a brass or steel earth continuity plate system in either a flat metallic mounting plate or an earth continuity plate which is a cruciform shape with up to four folded up stands with punched holes 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 is fitted with a moulded clear silicone rubber gasket, silicone sponge o-ring gasket or hollow section silicone rubber o-ring 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.

The enclosures are fitted with a self adhesive label on the inside of the lid, with options for labels to be secured by rivets or screws complete with Nyloc nuts.

The enclosure with the integral/moulded-in earth continuity plate or label fixing using a Nyloc screw system has an Ingress Protection rating of: IP66 - Any gasket.

The enclosure without the integral/moulded-in earth continuity plate has an Ingress Protection rating of:

IP66 - Moulded clear silicone rubber gasket or silicone sponge o-ring gasket

IP67 and IP68 at 3 metres for 3 hours – Hollow section silicone rubber o-ring gasket.

Brass or stainless steel inserts, or optional tapped holes in the integral/moulded-in earth continuity plate, 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 are 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 both enclosure sizes. The marking details may be embossed into the lid in a recess of up to 1mm depth.

The enclosure may additionally be fitted with an external/internal earth stud assembly covered by Certificate No. BAS21UKEX0037U or internal/external earth stud to drawing 9462. The two external mounting feet on the body that has the integral /moulded in earth continuity plate fitted also provide a means of earth connection being connected via a metal bush linked through the wall to the base of the internal integral earth continuity plate.

The enclosures may be EMC 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.

Standard Accessories List:

When required a Hawke International component or equipment certified, internal/external earth stud, stopping plug, breather-drain, as shown below, may be fitted to the enclosure or junction box as specified in the certification documents:

Manufacturer	Product	Type	Certificate Number	IP Rating
Hawke	Stopping Plug	375 375R	BAS21UKEX0053X IECExBAS12.0065X Baseefa12ATEX0095X 375: -60°C to +75°C 375R: -60°C to +65°C	IP66/67
Hawke	Stopping Plug	387	BAS21UKEX0051U IECExBAS06.0029U Baseefa06ATEX0118U Nitrile o-ring: -60°C to +80°C Silicone o-ring: -60°to +160°C	IP66/67
Hawke	Stopping Plug	390	BAS21UKEX0052X IECExBAS11.0079X Baseefa11ATEX0157X Nitrile o-ring: -60°C to +80°C Silicone o-ring: -60°to +160°C	IP66
Hawke	Stopping Plug	487	BAS21UKEX0058X IECExBAS11.0071X Baseefa11ATEX0149X Nitrile o-ring: -60°C to +80°C Silicone o-ring: -60°to +150°C	IP66/67
Hawke	Breather Drain	389 and 385	BAS21UKEX0043X IECExBAS11.0075X Baseefa11ATEX0153X Nitrile o-ring: -60°C to +80°C Silicone o-ring: 389: -60°to +150°C 385: -60°C to +80°C	IP66
Hawke	Int/Ext Earth	IES10, IES6/12, ES6/12	BAS21UKEX0037U IECExBAS09.0013U Baseefa09ATEX0039U -60°to +200°C	IP66

NOTE: Other suitable 'equipment' certified accessories may also be fitted to suit the application.

Alternative marking for all enclosures:

For commercial purposes, alternative Intrinsically Safe (I.S.) marking options are permitted

For Group II enclosures, the marking is as follows:

⊕ II 2G Ex ib IIC Gb

⊕ II 2D Ex ib IIIC Db

or

⊕ II 1G Ex ia IIC Ga

⊕ II 1D Ex ia IIIC Da

**16 Report Number**

21(C)0033

**17 Schedule of Limitations**

1. The enclosures shall not be exposed to temperatures outside the range of:  
  
With moulded-in earth continuity plate: -20°C to +75°C.  
Without moulded-in earth continuity plate: -60°C to +75°C.
2. The Ingress Protection rating of the enclosure is limited by the earth continuity plate option and gasket options as specified in the description above.
3. Unused entry holes shall be fitted with stopping plugs as specified in the description above. The operating temperature range and Ingress Protection rating of the enclosure is limited to that of the stopping plug fitted.
4. Only breather/drain devices as specified in the description above may be used with these enclosures. The breather/drain devices must be installed in their correct orientation in either the bottom face or bottom face gland plate of the enclosure. The operating temperature range and Ingress Protection rating of the enclosure is limited to that of the breather/drain device fitted.
5. 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.
6. When the M6, M8 or M10 internal/external metallic earth stud complete with o-ring sealing arrangement is fitted in the ZPL7\*\* enclosure the Ingress Protection rating is limited to IP66/67.

**18 Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.4.1	External effects
1.4.2	Aggressive substances

**19 Drawings and Documents**

Number	Sheet	Issue	Date	Description
C2539	1 of 1	L	12/05/21	General Arrangement ZPL7** Enclosures
Baseefa08ATEX0271U				
IECEX BAS 08.0090U				