



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx CML 20.0002U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-06-11

Applicant: **ABTECH Limited**
199/201
Newhall Road
Lower Don Valley
Sheffield S9 2QJ
United Kingdom

Ex Component: BPG range of enclosures

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Ex eb, ia, ib, ta, tb**

Marking: Ex ia IIC Ga Ex eb IIC Gb Ex ib IIC Gb
Ex ta IIIC Da Ex tb IIIC Db Ex tb IIIC Db
Ts= -65°C≤Ts≤+90°C

Approved for issue on behalf of the IECEx
Certification Body:

D R Stubbings BA MIET

Position:

Technical Director

Signature:
(for printed version)

Date:

2020-06-11

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX CML 20.0002U**

Page 2 of 3

Date of issue: 2020-06-11

Issue No: 0

Manufacturer: **ABTECH Limited**
199/201
Newhall Road
Lower Don Valley
Sheffield S9 2QJ
United Kingdom

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-26:2014-10 Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga
Edition:3.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/CML/ExTR20.0114/00](#)

Quality Assessment Report:

[GB/CML/QAR16.0021/03](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx CML 20.0002U**

Page 3 of 3

Date of issue: 2020-06-11

Issue No: 0

Ex Component(s) covered by this certificate is described below:

The BPG range of enclosures are glass reinforced polyester (GRP) enclosures of cuboid shape with the primary function of electrical or optical terminal boxes or control stations.

The enclosures range in size from 80 mm x 75 mm x 55 mm (WHD) up to 600 mm x 250 mm x 120 mm (largest rectangular shape, denoted as Type B enclosures in table 1) and 400 mm x 405 mm x 201 mm (largest square shape and deepest enclosure, denoted as Type A enclosures in table 1).

All sizes consist of a base and cover. The cover is attached to the base with four stainless steel captive screws.

The cover retains, within a square groove, a solid silicone rubber tube gasket that is displaced by a raised sealing edge on the base and providing a seal between the base and cover when secured together.

The enclosures may be provided with cable entry holes. The holes may be located either through the side walls or the rear of the enclosure base. The holes may be provided with a metric parallel thread, or without thread (clearance hole).

Through the wall of the enclosure may be provided an internal or external or internal and external threaded earth stud of a minimum size of M6.

Within the base are metal inserts, on the left and right, with M4 or M6 female threads for the mounting of components such as terminal rails or mounting plates.

(For full description, see certificate annex)

SCHEDULE OF LIMITATIONS:

See certificate annex

Annex:

[Annex IECEx CML 20.0002U Issue 0.pdf](#)

Annexe to: IECEx CML 20.0002U Issue 0
Applicant: BPG Range of Enclosures
Apparatus: ABTECH Limited



Description

The BPG range of enclosures are glass reinforced polyester (GRP) enclosures of cuboid shape with the primary function of electrical or optical terminal boxes or control stations.

The enclosures range in size from 80 mm x 75 mm x 55 mm (WHD) up to 600 mm x 250 mm x 120 mm (largest rectangular shape, denoted as Type B enclosures in table 1) and 400 mm x 405 mm x 201 mm (largest square shape and deepest enclosure, denoted as Type A enclosures in table 1).

All sizes consist of a base and cover. The cover is attached to the base with four stainless steel captive screws.

The cover retains, within a square groove, a solid silicone rubber tube gasket that is displaced by a raised sealing edge on the base and providing a seal between the base and cover when secured together.

The enclosures may be provided with cable entry holes. The holes may be located either through the side walls or the rear of the enclosure base. The holes may be provided with a metric parallel thread, or without thread (clearance hole).

Through the wall of the enclosure may be provided an internal or external or internal and external threaded earth stud of a minimum size of M6.

Within the base are metal inserts, on the left and right, with M4 or M6 female threads for the mounting of components such as terminal rails or mounting plates.

The BPG range of enclosures are available in the following sizes:

BPG Enclosure	Enclosure Type	Width (mm)	Height (mm)	Depth (mm)
1	B	80	75	55
2	B	110	75	55
3	B	160	75	55
4	B	190	75	55
4.5	B	190	75	75
5	A	230	75	55
6	B	122	120	90
7	B	220	120	90
8	B	160	160	90
9	B	260	160	90
10	B	360	160	90

Unit 1, Newport Business Park
New Port Road
Ellesmere Port
CH65 4LZ

T +44 (0) 151 559 1160
E info@cmllex.com

www.cmllex.com

Company Reg No. 8554022 VAT No. GB163023642



BPG Enclosure	Enclosure Type	Width	Height	Depth
11	A	560	160	90
12	B	255	250	120
12.5	B	205	200	120
13	B	400	250	120
13.5	B	400	250	160
14	A	600	250	120
15	B	400	405	120
15.5	B	400	405	201

Table 1: BPG Enclosure Sizes

Design options

-) Enclosures are available in antistatic (black) GRP or non-antistatic (all other colours) GRP.
-) Enclosures may be provided with hinges for the attachment of the base and cover, supplementary to the lid fixing screws.
-) Enclosures may also be manufactured to sizes not specified in the table but within the range of 80 mm x 75 mm x 55 mm (WHD) up to 600 mm x 250 mm x 120 mm (Type A) and 400 mm x 405 mm x 201 mm (Type B).
-) Enclosures may be populated with terminal rails, earth bars, and wiring trunking.

Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. If the enclosures are supplied fitted with blanking plugs, reducers, adapters or breather drains, the manufacturer shall ensure that the user/installer is provided with copies of the associated certificate for the fitted devices.
- iii. When trunking is fitted, it may be sited as required and the minimum creepage and clearance distances shall still be met.
- iv. When the optional earth bar is fitted it shall allow for a size of conductor connection in accordance with Clause 15.3 of IEC 60079-0.

Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. The Enclosures shall not be used outside the ambient temperature range -65°C to $+90^{\circ}\text{C}$.
- ii. BPG enclosures that are not manufactured with anti-static carbon loading and marked with an anti-static warning, shall only be used for fixed installation.



Components covered by Ex Certificates issued to older editions of Standards

None.