



# 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](http://www.iecex.com)

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX CML 14.0005U** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 2 [Issue 1 \(2017-05-25\)](#)  
[Issue 0 \(2014-04-25\)](#)  
Date of Issue: 2021-10-27  
Applicant: **BARTEC GmbH**  
Max-Eyth.Straße 16  
97980 Bad Mergentheim  
Germany  
Ex Component: Control and signalling device adapters, Type 05-0003-00\*\*/\*\*\*\*  
*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: **Increased safety, dust protection**  
Marking: Ex eb IIC Gb  
Ex tb IIIC Db

Approved for issue on behalf of the IECEx  
Certification Body:

**A Snowdon MIET**

Position:

**Assistant Certification Manager**

Signature:  
(for printed version)

*A Snowdon*

Date:

2021-10-27

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.
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Certificate issued by:

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





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Manufacturer: **Bartec GmbH**  
Max-Eyth.Straße 16  
97980 Bad Mergentheim  
**Germany**

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 60079-31:2013** 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 Reports:

[GB/CML/ExTR14.0005/00](#)

[GB/CML/ExTR17.0086/00](#)

[GB/CML/ExTR21.0176/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/13](#)



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

The Type 05-0003-00\*\* / \* \*\*\* control and signalling device adaptors are a range of thermoplastic actuating elements. The control and signalling device adaptors are intended for installation in increased safety and dust protected electrical equipment enclosure walls and lids.

**Refer to Annex for full description and conditions of manufacture.**

**SCHEDULE OF LIMITATIONS:**

Refer to Annex for Schedule of Limitations.



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)** **Issue 1**

This issue covers the following modifications:

- i. Addition of alternative plastic materials for internal components, actuation sleeve and operation sleeve.
- ii. Update of standards.

## **Issue 2**

This issue covers the following modifications:

- i. Update of IEC 60079-0 to the latest Edition.
- ii. Update of IEC 60079-7 to the latest Edition.
- iii. Update to component designation.

## **Annex:**

[Certificate annex IECEx CML 14.0005U Issue 2.pdf](#)

**Annexe to:** IECEx CML 14.0005U, Issue 2  
**Applicant:** Bartec GmbH  
**Apparatus:** Control and Signalling Device Adapters,  
 Type 05-0003-00\*\*/\*\*\*\*

## Description

The Type 05-0003-00\*\*/\*\*\*\* control and signalling device adaptors are a range of thermoplastic actuating elements. The control and signalling device adaptors are intended for installation in increased safety and dust protected electrical equipment enclosure walls and lids.

Installation information:

- Service temperature: -55°C to +70°C
- Equipment type: Group II and III, High impact
- Enclosure wall thickness: 1 mm to 6 mm
- Fixing nut thread: M30 x 1,5
- Enclosure through holes: 30.3<sup>+0.3</sup>mm

Series type reference:

05	-	0	0	0	3	-	0	0	*	*	/	*	*	*	*
A		B	C	D	E		F	G	H	I		J	K	L	M
A, B, C, D, E, F and G								Series type reference (Type 05-0003-00**/****)							
H and I								Device type, see list below							
J, K, L and M								Numbers or letters for characteristics without influence on the explosion protection							

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<b>Product description</b>	<b>Type reference</b>	<b>Product description</b>	<b>Type reference</b>
Pushbutton	05-0003-0007/****	Position selector	05-0003-0064/****
Emergency button	05-0003-0008/****	Illuminated button	05-0003-0065/****
Position selector switch	05-0003-0009/****	Illuminated button	05-0003-0066/****
Position selector switch	05-0003-0010/****	Illuminated button	05-0003-0067/****
Position selector switch	05-0003-0011/****	Illuminated button	05-0003-0068/****
Lock	05-0003-0012/****	Illuminated button	05-0003-0069/****
Lamp module operator	05-0003-0013/****	Position selector	05-0003-0070/****
Lamp module operator	05-0003-0014/****	Position selector	05-0003-0071/****
Lamp module operator	05-0003-0015/****	Position selector	05-0003-0072/****
Lamp module operator	05-0003-0016/****	Position selector	05-0003-0073/****
Lamp module operator	05-0003-0017/****	Double push button actuator	05-0003-0074/****
Mushroom pushbutton	05-0003-0018/****	Double pushbutton actuator	05-0003-0075/****
Blanking plug	05-0003-0019/****	Potentiometer	05-0003-0076/****
Position selector	05-0003-0020/****	Key switch	05-0003-0077/****
Position selector	05-0003-0021/****	Key switch	05-0003-0078/****
Lock	05-0003-0061/****	Key switch	05-0003-0079/****
Position selector	05-0003-0062/****	Key switch	05-0003-0080/****
Position selector	05-0003-0063/****	Mushroom pushbutton, Large	05-0003-0082/****

## 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.



## **Schedule of Limitations**

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

- i. When the components are installed in the electrical equipment, care must be taken that the temperatures at the mounting place are within the following temperature range:  
-55°C to +70°C.

## **Components covered by Ex Certificates issued to older editions of Standards**

None