



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 21.0128U**

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Certificate history:

Status: **Current**

Issue No: 3

[Issue 2 \(2023-08-21\)](#)

[Issue 1 \(2023-03-22\)](#)

[Issue 0 \(2022-07-27\)](#)

Date of Issue: 2024-08-02

Applicant: **BARTEC GmbH**
Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Ex Component: Control and signal device actuators, type 07-3400-****/****

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 (Ex eb) ; Dust Protection (Ex tb)**

Marking: Ex eb IIC Gb
Ex tb IIIC Db

Ts = -55°C to +70°C

Approved for issue on behalf of the IECEx
Certification Body:

S. Roumbedakis

Position:

Technical Manager

Signature:
(for printed version)

S. Roumbedakis

Date:
(for printed version)

2024-08-02

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





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Date of issue: 2024-08-02

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Manufacturer: **BARTEC GmbH**
Max Eyth Straße 16
97980 Bad Mergentheim
Germany

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 component 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 component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

GB/CML/ExTR21.0208/00
GB/CML/ExTR24.0152/00

GB/CML/ExTR23.0046/00

GB/CML/ExTR23.0185/00

Quality Assessment Report:

DE/TUN/QAR06.0017/15



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Date of issue: 2024-08-02

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

The control and signal device actuators, type 07-3400-****/**** are a range of plastic actuating elements. They are intended for installation in increased safety and dust protected electrical equipment enclosure walls and lids.

Refer to Certificate Annex for full product description and Conditions of Manufacture.

SCHEDULE OF LIMITATIONS:

Refer to Certificate Annex for Schedule of Limitations.



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Date of issue: 2024-08-02

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

This issue introduces the following modifications:

1. To update the design of actuator, type 07-3400-R***/****.

Issue 2

This issue introduces the following modifications:

1. To include actuator types, 07-3400-F***/**** and 07-3400-G***/****.
2. To update a typographical error in drawing 01-3400-650004.
3. Minor change to product description.

Issue 3

This issue introduces the following modifications:

1. To introduce a new spring on actuator types; 07-3400-E***/**** and 07-3400-S***/****.
2. To introduce a new design profile of the marking clip and the shield holder.
3. To introduce an optional cement on actuator type; 07-3400-P***/****.

Annex:

[Certificate Annex - IECEx CML 21.0128U Issue 3.pdf](#)

Annexe to: IECEx CML 21.0128U, Issue 3
 Apparatus: Control and signal device actuators, type 07-3400-****/****
 Applicant: Bartec GmbH



Description

The product description is unchanged but referenced below.

The control and signal device actuators, type 07-3400-****/**** are a range of plastic actuating elements. They are intended for installation in increased safety and dust protected electrical equipment enclosure walls and lids.

- Mechanical risk level: high
- Degree of protection IP66*
 under the following conditions:
 rated torque (fixing nut) 2.8 - 3.4 Nm
 wall thickness (for mounting) 1 - 6 mm
 mounting hole 30.3^{+0.3} mm

Type no. 0 7 - 3 4 0 0 - * * * * / * * * *
 Code no. A B C D E F G H I J K L M N

Code	Code for	Variations	Description
A-F	Product group	07-3400	Control and signal device
G	Type	A	Push button
		B	Blind plug
		C	Double push button
		D	Potentiometer
		E	Key selector switch*
		F	Selector switch large
		G	Selector switch for control module
		L	Pilot light
		N	Emergency stop pull to release
		P	Mushroom push button
		R	Emergency stop twist to release
		S	Selector switch
		T	Illuminated push button
H-N	Number or letter for characteristics without influence on the explosion protection		

* The control and signal device actuator, type 07-3400-E***/**** (key selector switch), meets the requirements up to IP64.

The control and signal device actuators, type 07-3400-****/**** may optionally be provided with one of the following accessories:

- protective collar
- locking device
- shield holder
- marking clip



Certificate Annex IECEx
 Version: 10.0 Approval: Approved



Eurofins E&E CML Limited
 Newport Business Park, New Port Road
 Ellesmere Port, CH65 4LZ, UK



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 of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.

Schedule of Limitations

The following limitations relate to safe installation and/or use of the components.

- i. When the components are installed to electrical equipment, the service temperature of the components shall be within -55°C to +70°C.
- ii. Under certain extreme circumstances, the component may be considered to be a potential electrostatic charging hazard. The risk of electrostatic discharge shall be minimized as stated in IEC 60079-0 clauses 7.4.2 and 7.4.3.
- iii. The control and signal device actuators, type 07-3400-A***/* (push button), and type 07-3400-P***/* (mushroom push button), shall only be used in combination with the BARTEC modules type 07-332*-*/*/* or type 07-3382-*/*/*/*.

Components used which are covered by Ex Certificates issued to older editions of Standards

None



Certificate Annex IECEx
Version: 10.0 Approval: Approved



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