



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx CML 17.0045U

Issue No: 0

Certificate history:

Issue No. 0 (2017-08-09)

Status: **Current**

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Date of Issue: **2017-08-09**

Applicant: **BARTEC GmbH**  
Max-Eyth-Strabe 16  
97980 bad Mergentheim  
**Germany**

Equipment: **Switch Module Type 07-332\*-\*\*\*\*/\*\*\*\* & Control Switch Type 07-333\*-\*\*\*\*/\*\*\*\***

*Optional accessory:*

Type of Protection: **Flameproof, Increased safety**

Marking:

Ex db eb I Mb

Ex db eb IIC Gb

-55°C ≤ Ta ≤ +40°C (16 A)

-55°C ≤ Ta ≤ +60°C (11 A)

*Approved for issue on behalf of the IECEx  
Certification Body:*

A C Smith

*Position:*

Technical Operations Director

*Signature:  
(for printed version)*

*Date:*

2017-08-09

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Certification Management Limited**  
Unit 1, Newport Business Park  
New Port Road  
Ellesmere Port, CH65 4LZ  
United Kingdom





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Date of Issue: **2017-08-09** Page 2 of 3

Manufacturer: **BARTEC GmbH**  
Max-Eyth-Strabe 16  
97980 bad Mergentheim  
**Germany**

Additional Manufacturing location(s):

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 electrical apparatus 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:

|   |   |
|---|---|
| <b>IEC 60079-0 : 2011</b><br>Edition:6.0    | Explosive atmospheres - Part 0: General requirements                              |
| <b>IEC 60079-1 : 2014-06</b><br>Edition:7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| <b>IEC 60079-7 : 2015</b><br>Edition:5.0    | Explosive atmospheres – Part 7: Equipment protection by increased safety "e"      |

*This Certificate **does not** indicate compliance with electrical 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/ExTR17.0123/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/09](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Switch Module

The switch module type 07-332x-xxxx/xxxx is a built-in switch with two switching elements which can be separately operated. It is suitable for bottom or front mounting and serves as a control switch.

#### Control Switch

The control switch type 07-333x-xxxx/xxxx for bottom mounting is used as a main switch, as a control switch suitable for isolation, and as a motor switch. It is composed of two switch modules with a single operating unit.

**Refer to Annex for full descriptions.**

#### Schedule of Limitations

1. The components are to be installed in an enclosure which meets the requirements of a recognised type of protection as specified in Section 1 of EN/IEC 60079-0.
2. When the components are installed in an increased safety enclosure that complies with EN/IEC 60079-7, the creepage and clearance distances must comply with the requirements of Table 1.

**SPECIFIC CONDITIONS OF USE: NO**

#### Annex:

[IECEX CML 17.0045U Certificate Annex.pdf](#)

Annexe to: IECEx CML 17.0045U Iss. 0  
 Applicant: Bartec GmbH  
 Apparatus: Switch Module Type 07-332\*-\*\*\*\*/\*\*\*\*  
 Control Switch Type 07-333\*-\*\*\*\*/\*\*\*\*



## Product Description

### Switch Module

The switch module type 07-332\*-\*\*\*\*/\*\*\*\* is a built-in switch with two switching elements which can be separately operated. It is suitable for bottom or front mounting and serves as a control switch.

| Electrical Data         |                     |  |
|-------------------------|---------------------|--|
| Rated operating voltage | 24 V                | 250 V  |
| Application category    | DC-13               | AC-15  |
| Rated operating current | 1 A                 | 10 A   |
| Rated isolation voltage | 690 V               |  |
| Cross section max.      | 2.5 mm <sup>2</sup> |  |
| Model Number            |                     |  |
|                         |                     | 07 - 3 3 2 * - * * 0 * / ****                      |
| Code Number             | Type                | 1 - 2 3 4 5 - 6 7 8 9 / 10                         |
| 1                       | Program             | 07 = common code number                            |
| 2, 3                    | Product Sector      | 33 = code for control and indicator module         |
| 4                       | Function            | 2 = switch module                                  |
| 5                       | Fixture             | 1 = bottom<br>3 = front                            |
| 6                       | Connection          | 1 = terminals<br>4 = terminals 15°                 |
| 7                       | Switch              | 1 = 2 NC<br>2 = 2 NO<br>4 = 1 NC and 1 NO          |
| 8                       | No. of Conductors   | 0 with clamps                                      |
| 9, 10                   | Applications        | Variants without influence of explosion protection |

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Company Reg No. 8554022 VAT No. GB163023642



## Control Switch

The control switch type 07-3331-1\*\*\*/\*\* for bottom mounting is used as a main switch, as a control switch suitable for isolation, and as a motor switch. It is composed of two switch modules with a single operating unit.

| Electrical Data         |                        |  |       |       |
|-------------------------|------------------------|--|-------|-------|
| Rated operating voltage | 24 V                   | 110 V  | 400 V | 400 V |
| Application category    | DC-13                  | DC-13  | AC-15 | AC-12 |
| Rated operating current | 1 A                    | 0.5 A  | 10 A  | 16 A  |
| Rated isolation voltage | 690 V                  |  |       |       |
| Cross section max.      | 2.5 mm <sup>2</sup>    |  |       |       |
| Model Number            |                        |  |       |       |
|                         |                        | 07 - 3 3 3 1 - 1 * * * / ****                      |       |       |
| Code Number             | Type                   | 1 - 2 3 4 5 - 6 7 8 9 / 10                         |       |       |
| 1                       | Program                | 07 = common code number                            |       |       |
| 2, 3                    | Product Sector         | 33 = code for control and indicator module         |       |       |
| 4                       | Function               | 3 = Control Switch                                 |       |       |
| 5                       | Fixture                | 1 = bottom   |       |       |
| 6                       | Connection             | 1 = terminals                                      |       |       |
| 7                       | Switch                 | A...Z; e.g. A = 2 positions maintained             |       |       |
| 8, 9                    | Switching Combinations | 01...99  |       |       |
| 10                      | Applications           | Variants without influence of explosion protection |       |       |



## Conditions of Manufacture

There are no conditions of manufacture.

## Schedule of Limitations

The following are schedule of limitations:

- i. The components are to be installed in an enclosure which meets the requirements of a recognised type of protection as specified in Section 1 of EN/IEC 60079-0.
- ii. When the components are installed in an increased safety enclosure that complies with EN/IEC 60079-7, the creepage and clearance distances must comply with the requirements of Table 1.