



## EU Type Examination Certificate CML 17ATEX1106U Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Component **Illuminated Indicator Module Type 07-335\*\_\*\_\*\_\*\_\*/\*\_\*\_\*\_\*\_\***  
**Illuminated Push Button Type 07-336\*\_\*\_\*\_\*\_\*/\*\_\*\_\*\_\*\_\***
- 3 Manufacturer **Bartec GmbH**
- 4 Address **Max-Eyth-Straße 16**  
**97980 Bad Mergentheim**  
**Germany**
- 5 The component is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 7 The examination and test results are recorded in the confidential reports listed in Section 12.
- 8 The 'U' suffix after the certificate number indicates that the component is subject to limitations (affecting correct installation or safe use). These are specified in Section 14.
- 9 This EU Type Examination certificate relates only to the design and construction of the specified component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0: 2012+A11:2013      EN 60079-1:2014      EN 60079-7:2015  
EN 60079-11:2012

- 10 The component shall be marked with the following:

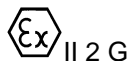


Ex db eb I Mb

Ex db eb ia I Mb

Ta = -55°C    Ta    +50°C

Ta = -55°C    Ta    +60°C\*



Ex db eb IIC Gb

Ex db eb ia IIC Gb

Ta = -55°C    Ta    +50°C

Ta = -55°C    Ta    +60°C\*

\*Note: if rated operating voltage 26.4 V



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## 11 Description

The illuminated indicator module type 07-335\*-\*\*\*\*/\*\*\*\* is a build-in appliance and serves as a signal lamp. The luminescent element is available in a variety of signal colours.

The illuminated push button module type 07-336\*-\*\*\*\*/\*\*\*\* is an illuminated indicator with the function of a control switch. The connection is via the integrated terminals.

<b>Electrical Data</b>		
Rated operating voltage	12 V to 250 V AC	12 V to 60 V DC
Cross section max.	2.5 mm <sup>2</sup>	
<b>Applicable to variants with intrinsically safe operation mode</b>		
Type code	07-33**-*4**/**** 07-33**-*5**/**** 07-33**-*6**/****	
Supply circuit (terminals X1, X2)	type of protection Intrinsic Safety Ex ia IIC or Ex ia I only for connection to a certified intrinsically safe circuit	
Maximum values		
U <sub>i</sub>	30 V	
I <sub>i</sub>	150 mA	
P <sub>i</sub>	1 W	
C <sub>i</sub> L <sub>i</sub>	Negligibly low	
<b>Model Number</b>		
		07 - 3 3 * * - * * * * / ****
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	5 = Illuminated Indicator Module 6 = Illuminated Push Button
5	Fixture	1 = bottom 3 = front
6	Mounting	1 = Screw terminals 4 = Screw terminals 15°
7	Switch	1 = AC 12 to 250 V; DC 12 to 60 V 7 = AC 12 to 250 V; DC 12 to 60 V one opening contact 8 = DC 12 to 60 V; one closing contact 4 = AC / DC 12 to 250 V



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		5 = AC / DC 12 to 250 V; one opening contact 6 = AC / DC 12 to 150 V; one closing contact
8	LED Colour	1 = red 2 = green 3 = yellow 4 = white 5 = blue
9, 10	Applications	Variants without influence of explosion protection

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	09 Aug 2017	R2271A/00	Issue of prime certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of Manufacture

There are no conditions of manufacture.

## 14 Schedule of Limitations

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

- 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 60079-0.
- ii. When the components are installed in an increased safety enclosure that complies with EN 60079-7, the creepage and clearance distances must comply with the requirements of Table 1.
- iii. The components may be operated in an intrinsically safe or a non-intrinsically safe operation mode. The operation mode is specified in line with the specification of the product by the end user during installation. When the operation mode or the corresponding marking have been selected, these shall be permanent and shall not be changed during the entire life of the component.

## Certificate Annex



**Certificate Number** CML 17ATEX1106U  
**Equipment** Bartec GmbH  
**Manufacturer** Illuminated Indicator Module Type 07-335\*-\*\*\*\*/\*\*\*\*  
Illuminated Push Button Type 07-336\*-\*\*\*\*/\*\*\*\*

The following documents describe the equipment or component defined in this certificate:

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Drawing No	Sheets	Rev	Approved date	Title
01-3351-650004	1 of 1	C	09 Aug 2017	Leuchtmodul, Leuchttaster
01-3363-650001	1 of 1	A	09 Aug 2017	Leuchttaster / Illuminated Push Button
01-3361-6501	1 to 2	A	09 Aug 2017	Leuchttaster / Illuminated Push Button
01-3353-650001St	1 to 4	A	09 Aug 2017	Leuchtmodul und Leuchttaster
01-3353-650001	1 of 1	A	09 Aug 2017	Leuchtmodul / Illuminated Indicator Module
01-3351-6501St	1 to 4	D	09 Aug 2017	Leuchtmodul und Leuchttaster
01-3351-6501	1 to 2	B	09 Aug 2017	Leuchtmodul / Illuminated Indicator Module
01-3361-6501 GAP	1 of 1	5	09 Aug 2017	Table of (cylindrical) gaps of type 07-336*-1***/****
01-3363-650001 GAP	1 of 1	5	09 Aug 2017	Table of (cylindrical) gaps of type 07-3363-4***/****