



## EU Type Examination Certificate CML 14ATEX3073X Issue 11

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **ComEx Control and Indicating Stations, Type 07-351\*-\*\*\*\*\***
- 3 Manufacturer **BARTEC GmbH**
- 4 Address **Max-Eyth-Straße 16  
97980 Bad Mergentheim  
Germany**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 6738671, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, Notified Body Number 2776, 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 equipment 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.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or 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 IEC 60079-0:2018

EN 60079-1:2014

EN IEC 60079-7:2015/A1:2018

EN 60079-11:2012

EN 60079-31:2014

- 10 The equipment shall be marked with the following:



II 2 G D

Ex db eb IIC T6 Gb

Ex tb IIIC T80°C Db

Up to -55°C ≤ Ta ≤ +60°C



II 2 G D

Ex db eb ia IIC T6 Gb

Ex tb IIIC T80°C Db

Up to -55°C ≤ Ta ≤ +60°C

A Snowden



**CML 14ATEX3073X**  
**Issue 11**

## 11 Description

The ComEx are either single, double, or triple control and/or indicating display stations.

The three standard thermoplastic enclosures, single (07-3511-\* and 07-3514-\*), double (07-3512-\* and 07-3515-\*) and triple (07-3513-\* and 07-3516-\*) can be combined with various separately certified actuators, switch modules and luminous modules.

The control and display stations may be optionally provided with cable glands and blanking elements, as well as an earthing plate.

### Ratings:

| Increased safety and Dust types |  |          |            |
|---------------------------------|--|----------|------------|
| Type                            | 07-3511-   | 07-3512- | 07-3513-   |
| Rated insulation voltage        | 690 V  | 690 V    | 690 V      |
| Rated voltage, Max.             | 400 V  | 400 V    | 400 V      |
| Rated current, Max.             | Note: Allowable maximum voltages, currents and ambient may be higher or lower dependant on enclosure size and components fitted, see instructions for specific details |          |            |
| At Ta 40°C                      | 16 A   | 16 A     | Up to 20 A |
| At Ta 60°C                      | 11 A   | 11 A     | Up to 14 A |

| Intrinsic safety types   |          |          |          |
|--|----------|----------|----------|
| Type   | 07-3514- | 07-3515- | 07-3516- |
| Ui   | 30 V     | 30 V     | 30 V     |
| Ii   | 150 mA   | 150 mA   | 150 mA   |
| Pi   | 1 W      | 1 W      | 1 W      |
| The Ci and Li values are negligible and therefore stated as zero |          |          |          |

### Series model type reference:

|    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | - | 3 | 5 | 1 | * | - | * | * | * | * | * | * | * | * | * | * | * |
| A  | - | B | C | D | E | - | F | G | H | I | J | K | L | M | N | O | P |

| Type reference Prefix | Code for           | Variation Prefix | Description          |
|-----------------------|--------------------|------------------|----------------------|
| A                     | Basic designation  | 07               | Common code number   |
| B, C                  | Product sector     | 35               | Code combination "e" |
| D                     | Enclosure material | 1                | Plastic material     |
| E                     | Enclosure size     | 1                | 88 mm                |
|                       |                    | 2                | 130 mm               |



**CML 14ATEX3073X**  
**Issue 11**

| Type reference Prefix | Code for                                  | Variation Prefix  | Description   |
|-----------------------|---|---|---|
|                       |   | 3   | 176 mm  |
|                       |   | 4   | 88 mm – Ex i  |
|                       |   | 5   | 130 mm – Ex i   |
|                       |   | 6   | 176 mm – Ex i   |
| F                     | Cable gland, top of enclosure (Side B)    | 0   | Without   |
|                       |   | 1   | One, M20, plastic   |
|                       |   | 2   | One, M25, plastic   |
|                       |   | 3   | Two, M20, plastic   |
|                       |   | 4   | One, M20, plastic<br>one, M20, blanking element                               |
|                       |   | 5   | One, M20, metal   |
|                       |   | 6   | One, M25, metal   |
|                       |   | 7   | Two, M20, metal   |
|                       |   | 8   | One, M20, metal<br>one, M20, blanking element                                 |
|                       |   | 9   | Special:<br>1 x ≤ M32 or 2 x ≤ M20 and 1 x ≤ M16 or<br>2 x ≤ M25 or 3 x ≤ M16 |
| G                     | Cable gland, bottom of enclosure (Side A) | 0   | Without   |
|                       |   | 1   | One, M20, plastic   |
|                       |   | 2   | One, M25, plastic   |
|                       |   | 3   | Two, M20, plastic   |
|                       |   | 4   | One, M20, plastic<br>one, M20, blanking element                               |
|                       |   | 5   | One, M20, metal   |
|                       |   | 6   | One, M25, metal   |
|                       |   | 7   | Two, M20, metal   |
|                       |   | 8   | One, M20, metal<br>one, M20, blanking element                                 |
|                       |   | 9   | Special:<br>1 x ≤ M32 or 2 x ≤ M20 and 1 x ≤ M16 or<br>2 x ≤ M25 or 3 x ≤ M16 |
| H - P                 | Applications                              | Variants with separately certified operators and modules                  |   |
|                       | H - J                                     | For use with all enclosure type/sizes                                     |   |
|                       | K - M                                     | For use with:<br>07-3512, 07-3513, 07-3515 and<br>07-3516 type/sizes only |   |
|                       | N - P                                     | For use with:<br>07-3513 and 07-3516 type/sizes only                      |   |
| H, I<br>K, L<br>N, O  | Operators                                 | 00  | Without operator  |
|                       |   | B1  | Blanking plug (05-0003-0019/****)   |
|                       |   | D*  | Potentiometer (05-0003-0076/****)   |
|                       |   | E*  | Lock types<br>(05-0003-0077/**** to 05-0003-0080/****)                        |
|                       |   | H*  | Position Selector Types<br>(05-0003-0020/**** to 05-0003-0021/****)           |
|                       |   | K*  | Lock type (05-0003-0012/****)   |
|                       |   | L*  | Lamp module types<br>(05-0003-0013/**** to 05-0003-0017/****)                 |



**CML 14ATEX3073X**  
**Issue 11**

| Type reference Prefix   | Code for                  | Variation Prefix           | Description   |
|---|---------------------------|----------------------------|---|
|   |                           | N*                         | Emergency button type (05-0003-0008/****)   |
|   |                           | P*                         | Push button types<br>(05-0003-0007/****, 05-0003-0018/****, 05-0003-0075/**** and 05-0003-0082/****)  |
|   |                           | S*                         | Position Selector types<br>(05-0003-0009/****, 05-0003-0011/****, 05-0003-0071/**** and 05-0003-0073/****)  |
|   |                           | T*                         | Laminated Push Button types<br>(05-0003-0065/**** to 05-0003-0069/****)   |
| J, M, P   | Modules                   | 1                          | Switchmodule 2 NC   |
|   |                           | 2                          | Switchmodule 2 NO   |
|   |                           | 4                          | Switchmodule 1 NC / 1NO or Control switching unit 1 kΩ (dependant on operator type)   |
|   |                           | 5                          | Control switching unit 2,2 kΩ   |
|   |                           | 6                          | Control switching unit 4.7 kΩ or Terminal block   |
|   |                           | 7                          | Control switching unit 10 kΩ  |
|   |                           | R<br>G<br>Y<br>W<br>B<br>A | Lampmodule red<br>Lampmodule green<br>Lampmodule yellow<br>Lampmodule white<br>Lampmodule blue or Illuminated push button module 1 NO (depends on operator type)<br>Illuminated push button module 1 NC |
| Or<br>K – M<br>N - P  | Measuring Devices         | MM*                        | Measuring device separately certified with different max. current   |
| Or<br>H - J   | Operator (Control Switch) | G**                        | Position Selector type (05-0003-0062/****)  |
| +<br>K - M  | Control switch module     | A**                        | Control switch module   |
|   |                           | B**                        |   |
|   |                           | C**                        |   |
|   |                           | etc                        |   |
| Or<br>H, I<br>(K, L)  | Operators                 | See above                  |   |
| +<br>K – M<br>(N - P)   | Switch module, 4-pole     | PV**                       | Switch Module, 4-pole   |
| * Counting number without influence on the model reference code |                           |                            |   |

### Variation 1

This variation introduced the following modification:

- i. To allow an alternative seal material to be used



**CML 14ATEX3073X**  
**Issue 11**

#### **Variation 2**

This variation introduced the following modifications:

- i. To update the certificate reference to the 2014/34/EU Directive.
- ii. To update certification drawings to reflect changes in enclosure manufacturing.

#### **Variation 3**

This variation introduced the following modifications:

- i. To update the certificate to the latest editions of the standards.
- ii. Cover changes to enclosure fabrication.

#### **Variation 4**

This variation introduced the following modification:

- i. To update drawings and manufacturing details for the locking device.

#### **Variation 5**

This variation introduced the following modifications:

- i. The introduction of an alternative enclosure profile.
- ii. Clarification of the cable gland size options in the series type reference table on the certificate.

#### **Variation 6**

This variation introduced the following modifications:

- i. The introduction of an alternative non-metallic sealing material between enclosures.
- ii. The introduction of an alternative metallic plug between enclosures.

#### **Variation 7**

This variation introduced the following modification:

- i. The introduction of an alternative non-metallic sealing material between enclosures.

#### **Variation 8**

This variation introduced the following modification:

- i. To update the certificate to include the 4-pole switch module covered under certificate number CML 17ATEX1105U.



**CML 14ATEX3073X**  
**Issue 11**

## Variation 9

This variation introduced the following modifications:

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

## 12 Certificate history and evaluation reports

| Issue | Date        | Associated report        | Notes   |
|-------|-------------|--------------------------|---|
| 0     | 06 Oct 2014 | R122A/00                 | Issue of Prime Certificate  |
| 1     | 09 Feb 2015 | R450A/00                 | The introduction of Variation 1                                       |
| 2     | 06 Aug 2015 | N/A                      | To correct a typographic error and clarify the approval standards     |
| 3     | 3 Nov 2016  | R1708A/00                | The Introduction of Variation 2                                       |
| 4     | 12 Dec 2016 | R1545A/01                | The introduction of Variation 3                                       |
| 5     | 09 Mar 2017 | R1995A/00                | The introduction of Variation 4                                       |
| 6     | 29 Aug 2017 | R11322A/00               | The introduction of Variation 5                                       |
| 7     | 25 Jan 2018 | R11363A/00               | The introduction of Variation 6                                       |
| 8     | 13 Mar 2018 | R11363A/00<br>R11363B/00 | R11363B/00 supplements R11363A/00 in the introduction of variation 7. |
| 9     | 12 Dec 2018 | R12059A/00               | Transfer from CML UK to CML BV Certificate                            |
| 10    | 05 Aug 2019 | R12530A/00               | The introduction of Variation 8                                       |
| 11    | 27 Oct 2021 | R14286C/00               | The introduction of Variation 9                                       |

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

## 13 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. A copy of the certification for the components fitted shall be provided to the end user.
- ii. When limited components are provided for applications other than the Ex db eb ia IIC T6 Gb versions, the user shall be provided with the appropriate limitation information for these components.



**CML 14ATEX3073X**  
**Issue 11**

#### **14 Specific Conditions of Use (Special Conditions)**

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

- i. When equipment is marked 'Ex db eb ia' the circuits are separate intrinsically safe circuits and shall be used with appropriate barriers certified for 'Ex ia IIC' outputs.

## Certificate Annex

**Certificate Number** CML 14ATEX3073X  
**Equipment** ComEx Control and Indicating Stations,  
Type 07-351\*-\*\*\*\*\*  
**Manufacturer** Bartec GmbH



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

### Issue 0

| Drawing No         | Sheets | Rev | Approved date | Title   |
|--------------------|--------|-----|---------------|---|
| 01-3511-650004     | 1 of 1 | -   | 06 Oct 2014   | Control and Indicating Station - Labels                           |
| 01-3511-650003     | 1 of 5 | -   | 06 Oct 2014   | Control and Indicating Station – General Arrangement              |
| 01-3511-650003-HLP | 1 to 3 | -   | 06 Oct 2014   | Control and Indicating Station – Materials and Component Details  |
| 01-3511-650003-BOM | 1 to 4 | -   | 06 Oct 2014   | Control and Indicating Station – Bill of Materials                |
| 01-3511-650002     | 1 of 1 | -   | 06 Oct 2014   | Control and Indicating Station – Locking Device                   |
| 01-3511-650002-BOM | 1 of 1 | -   | 06 Oct 2014   | Control and Indicating Station – Locking Device Bill of Materials |
| 01-3511-650001     | 1 of 1 | -   | 06 Oct 2014   | Control and Indicating Station – Gland Location                   |

### Issue 1

| Drawing No         | Sheets | Rev | Approved date | Title  |
|--------------------|--------|-----|---------------|--|
| 01-3511-650003-HLP | 1 to 3 | A   | 09 Feb 2015   | Control and Indicating Station – Materials and Component Details |
| 01-3511-650003-BOM | 1 to 4 | A   | 09 Feb 2015   | Control and Indicating Station – Bill of Materials               |

### Issue 2

No drawings issued or revised.

### Issue 3

| Drawing No     | Sheets | Rev | Approved date | Title   |
|----------------|--------|-----|---------------|---|
| 01-3511-650003 | 1 to 5 | A   | 3/11/2016     | Control and indicating station<br>Type 07-351-..../.... |

### Issue 4

| Drawing No     | Sheets | Rev | Approved date | Title  |
|----------------|--------|-----|---------------|--|
| 01-3511-650004 | 1      | A   | 28 Nov 2016   | Control and indicating station Marking<br>07-351-..../.... |

## Certificate Annex

**Certificate Number** CML 14ATEX3073X  
**Equipment** ComEx Control and Indicating Stations,  
Type 07-351\*-\*\*\*\*\*  
**Manufacturer** Bartec GmbH



### Issue 5

| Drawing No         | Sheets | Rev | Approved date | Title  |
|--------------------|--------|-----|---------------|--|
| 01-3511-650002     | 1 to 2 | A   | 09 Mar 2017   | Control Station / Locking device               |
| 01-3511-650002-BOM | 1 of 1 | A   | 09 Mar 2017   | Control and Indicating Device / Locking device |

### Issue 6

| Drawing No     | Sheets | Rev | Approved date | Title  |
|----------------|--------|-----|---------------|--|
| 01-3511-610003 | 1 to 5 | B   | 29 Aug 2017   | Control and indicating station Typ 07-351.-..../. Ex de IIC T6 |
| 01-3511-610003 | 1 of 1 | D   | 29 Aug 2017   | Control and indicating station Typ 07-351.-..../. Ex de IIC T6 |
| 01-3511-650004 | 1 of 1 | B   | 29 Aug 2017   | Control and indicating station Typ 07-351.-..../. Ex de IIC T6 |

### Issue 7

| Drawing No         | Sheets | Rev | Approved date | Title  |
|--------------------|--------|-----|---------------|--|
| 01-3511-650003-BOM | 1 to 4 | B   | 25 Jan 2018   | Befehls- und Anzeigegerät Control and Indicating device Typ 07-351*-****/****/**** |

### Issue 8

| Drawing No         | Sheets | Rev | Approved date | Title  |
|--------------------|--------|-----|---------------|--|
| 01-3511-650003-BOM | 1 to 4 | C   | 13 Mar 2017   | Befehls- und Anzeigegerät Control and Indicating device Typ 07-351*-****/****/**** |

### Issue 9

No drawings issued or revised.

### Issue 10

| Drawing No     | Sheets | Rev | Approved date | Title   |
|----------------|--------|-----|---------------|---|
| 01-3511-650003 | 1 to 5 | D   | 05 Aug 2019   | Befehls- und Anzeigegerät Control and Indicating station<br>Typ 07-351*-****/****/**** Ex de IIC T6 |

### Issue 11

There are no new or revised drawings associated with this Issue.