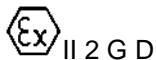




## EU Type Examination Certificate CML 14ATEX3073X Issue 8

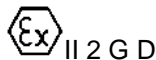
- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **07-351\*-\*\*\*\*\* ComEx Control and Indicating Stations**
- 3 Manufacturer **BARTEC GmbH**
- 4 Address Max-Eyth-Straße 16,  
97980 Bad Mergentheim,  
Germany
- 5 The equipment is specified in the schedule 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 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 60079-0:2012+A11:2013      EN 60079-7:2015      EN 60079-31:2014  
EN 60079-1:2014      EN 60079-11:2012
- 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*



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## 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 – Ex d e IIC T6 Gb and/or Ex tb IIIC T80°C Db			
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 – Ex ia IIC T6 Ga			
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



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Type reference Prefix	Code for	Variation Prefix	Description
E	Enclosure size	1	88 mm
		2	130 mm
		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 one, M20, blanking element
		5	One, M20, metal
		6	One, M25, metal
		7	Two, M20, metal
		8	One, M20, metal one, M20, blanking element
		9	Special: 1 x ≤ M32 or 2 x ≤ M20 and 1 x ≤ M16 or 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 one, M20, blanking element
		5	One, M20, metal
		6	One, M25, metal
		7	Two, M20, metal
		8	One, M20, metal one, M20, blanking element
		9	Special: 1 x ≤ M32 or 2 x ≤ M20 and 1 x ≤ M16 or 2 x ≤ M25 or 3 x ≤ M16



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Type reference Prefix	Code for	Variation Prefix	
H - P	<b>Applications</b>	Variants with separately certified operators and modules	
	<b>H - J</b>	For use with all enclosure type/sizes	
	<b>K - M</b>	For use with: 07-3512, 07-3513, 07-3515 and 07-3516 type/sizes only	
	<b>N - P</b>	For use with: 07-3513 and 07-3516 type/sizes only	
H, I K, L N, O	<b>Operators</b>	<b>00</b>	Without operator
		<b>B1</b>	Blanking plug (05-0003-0019/****)
		<b>D*</b>	Potentiometer (05-0003-0076/****)
		<b>E*</b>	Lock types (05-0003-0077/**** to 05-0003-0080/****)
		<b>H*</b>	Position Selector Types (05-0003-0020/**** to 05-0003-0021/****)
		<b>K*</b>	Lock type (05-0003-0012/****)
		<b>L*</b>	Lamp module types (05-0003-0013/**** to 05-0003-0017/****)
		<b>N*</b>	Emergency button type (05-0003-0008/****)
		<b>P*</b>	Push button types (05-0003-0007/****, 05-0003-0018/****, 05-0003-0075/**** and 05-0003-0082/****)
		<b>S*</b>	Position Selector types (05-0003-0009/****, 05-0003-0011/****, 05-0003-0071/**** and 05-0003-0073/****)
		<b>T*</b>	Laminated Push Button types (05-0003-0065/**** to 05-0003-0069/****)
J, M, P	<b>Modules</b>	<b>1</b>	Switchmodule 2 NC
		<b>2</b>	Switchmodule 2 NO
		<b>4</b>	Switchmodule 1 NC / 1NO or Control switching unit 1 kΩ (dependant on operator type)
		<b>5</b>	Control switching unit 2,2 kΩ
		<b>6</b>	Control switching unit 4.7 kΩ or Terminal block
		<b>7</b>	Control switching unit 10 kΩ
		<b>R</b> <b>G</b> <b>Y</b> <b>W</b> <b>B</b> <b>A</b>	Lampmodule red Lampmodule green Lampmodule yellow Lampmodule white Lampmodule blue or Illuminated push button module 1 NO (depends on operator type) Illuminated push button module 1 NC



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Type reference Prefix	Code for	Variation Prefix	Description
H – J + K - M	Operator (Control Switch)	G**	Position Selector type (05-0003-0062/****)
	Control switch module	A** B** C** etc	Control switch module

\* Counting number without influence to the model reference code

#### Variation 1

This variation introduces the following modifications:

To allow an alternative seal material to be used

#### Variation 2

This variation introduces 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 introduces 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 introduces the following modifications:

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

#### Variation 5

This variation introduces 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 introduces 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.



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## Variation 7

This variation introduces the following modifications:

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

## 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	R11363B/00 supplements R11363A/00 in the introduction of variation 7.
		R11363B/00	

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.

- 13.1 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.
- 13.2 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

## 14 Special Conditions for Safe Use (Conditions of Certification)

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

- 14.1 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** 07-351\*-\*\*\*\*\* ComEx Control and Indicating Stations  
**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

None

### Issue 3

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

## Certificate Annex



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

### Issue 4

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

### 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.-.../....
01-3511-650004	1 of 1	B	29 Aug 2017	Control and indicating station Typ 07-351.-.../....

### 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*- ****/****/****