EU Type Examination Certificate CML 21ATEX31165X Issue 0

1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

2 Equipment **ComEx Control and Indicating Station, Type 07-352*-**********

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 67386717, 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:

(*) 07-3521-…, 07-3522-… and 07-3523-…

Ex II 2 G D

Ex db eb IIC T6 Gb

Ex tb IIIC T80°C Db

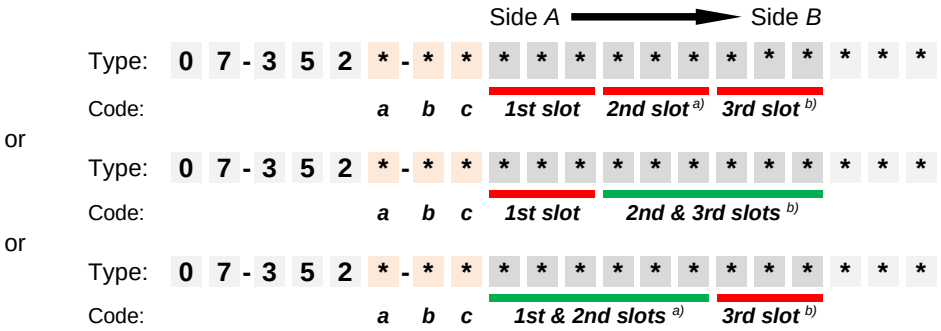
(**) 07-3524-…, 07-3525-… and 07-3526-…

Ex II 2 G

Ex db ia IIC T6 Gb

11 Description

The equipment is either single, double or triple control and/or indicating display stations. The three standard plastic enclosures, single (07-3521-*& 07-3524-*), double (07-3522-* & 07-3525-*) and triple (07-3523-* & 07-3526-*) can be combined with various separately certified actuators, switch modules and luminous modules.



a	Enclosure size, certification, operation mode **1** – Single, ATEX/IECEx, non-intrinsically safe **2** – Double, ATEX/IECEx, non-intrinsically safe **3** – Triple, ATEX/IECEx, non-intrinsically safe **4** – Single, ATEX/IECEx, intrinsically safe **5** – Double, ATEX/IECEx, intrinsically safe **6** – Triple, ATEX/IECEx, intrinsically safe
b resp. ***c***	Entry device, enclosure side ***B*** resp. ***A*** **0** – Without **1** – Side **B**: 1 x M20, plastic or hole for connection Side **A**: 1 x M20, plastic **2** – 1 x M25, plastic **3** – 2 x M20, plastic **4** – 1 x M20, plastic and 1 x M20 blanking element, plastic **5** – 1 x M20, metal **6** – 1 x M25, metal **7** – 2 x M20, metal **8** – Side **B**: not applicable Side **A**: enclosure connection **9** – Special version **A** – Conduit adapter ½" NPT c) **B** – Conduit adapter ¾" NPT c) **C** – 1 x M16, plastic **D** – 2 x M16, plastic **E** – 3 x M16, plastic **F** – 1 x M32, plastic **G** – 1 x M20, plastic and 1 x M25, plastic **H** – 1 x M16, plastic and 1 x M25, plastic **J** – 1 x M20, metal, special version **K** – 1 x M25, metal, special version **L** – 2 x M20, metal, special version
1st, 2nd & 3rd slot	Single-slot actuators & modules combinations
1st & 2nd slots or 2nd & 3rd slots	Double-slot actuators & modules combinations

1st & 2nd slots or 2nd & 3rd slots – double-slot actuators & modules combinations

* * * * * *	Actuator	Module
G * * * * *	Selector switch for control module type 07-3400-G***/****	Control switch module type 07-3332-1***/****
F * * 1 * *	Selector switch large type 07-3400-F***/****	Switch module type 07-3322-1100/****
F * * 2 * *		Switch module type 07-3322-1200/****
F * * 4 * *		Switch module type 07-3322-1400/****
F * * 5 * *		Switch module type 07-3322-1110/****
F * * 6 * *		Switch module type 07-3322-1210/****
F * * 7 * *		Switch module type 07-3322-1410/****
A * * V * *	Push button type 07-3400-A***/****	Switch module type 07-3382-****/****
E * * V * *	Key selector switch type 07-3400-E***/****	
F * * V * *	Selector switch large type 07-3400-F***/****	
N * * V * *	Emergency stop pull to release type 07-3400-N***/****	
P * * V * *	Mushroom push button type 07-3400-P***/****	
S * * V * *	Selector switch type 07-3400-S***/****	

1st, 2nd and 3rd slot – single-slot actuators & modules combinations

* * *	Actuator	Module
0 * 0	without actuator	without module
B * 0	Blind plug type 07-3400-B***/****	
A * *	Push button type 07-3400-A***/****	Switch module type 07-3322-1**0/****
C * *	Double push button type 07-3400-C***/****	
E * *	Key selector switch type 07-3400-E***/****	
N * *	Emergency stop pull to release type 07-3400-N***/****	
P * *	Mushroom push button type 07-3400-P***/****	
R * *	Emergency stop twist to release type 07-3400-R***/****	
S * *	Selector switch type 07-3400-S***/****	
D * *	Potentiometer type 07-3400-D***/****	Potentiometer module type 07-3372-1D*0/**** [d]
L * *	Pilot light type 07-3400-L***/****	Illuminated indicator module type 07-3352-11*0/**** [d] or type 07-3352-14*0/**** [c]
T * A	Illuminated push button type 07-3400-T***/****	Illuminated push button module type 07-3362-17*0/**** [d] or type 07-3362-15*0/**** [c]
T * B		Illuminated push button module type 07-3362-18*0/**** [d] or type 07-3362-16*0/**** [c]
T * C		Illuminated push button module type 07-3362-11*0/**** [d]
T * D		Illuminated push button module type 07-3362-12*0/**** [d]

* - manufacturer and customer specific suffixes (number or letter) without influence on the explosion protection

[a] Only for type 07-352, followed by 2, 3, 5 or 6, followed by additional suffixes.
[b] Only for type 07-352, followed by 3 or 6, followed by additional suffixes.
[c] Only for type 07-352, followed by 4, 5 or 6, followed by additional suffixes.
[d] Only for type 07-352, followed by 1, 2 or 3, followed by additional suffixes.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	08 Nov 2023	R14623A/00	Issue of Prime Certification

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 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.

ii. All safety critical Ex Components must be installed in accordance with their schedule of limitations.

iii. The manufacturer shall ensure that the user is provided with the entity parameters of all intrinsically safe modules supplied as part of the equipment.

14 Specific Conditions of Use (Special Conditions)

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

i. The ComEx control and indicating station shall be installed, so it will be protected against electrostatic charging. The metal entry devices shall be grounded.

ii. The technical data of separately certified cable glands and blanking element acc. to manufacturer specifications shall be observed.

iii. The wiring internal to equipment which might come into contact with a conductive part shall be mechanically protected, secured, or routed to avoid insulation damage.

iv. The connection cables shall have a minimum service temperature below or equal to the minimum ambient temperature for the ComEx control and indicating station and a maximum service temperature above or equal to 80 °C.

v. The maximum permissible currents must not exceed the values according to the arrangement tables corresponding maximum ambient temperatures and the configurations of the ComEx control and indicating station.

vi. Each terminal of the module is limited to one conductor per clamping unit.

vii. The values Uo, Io, Co and Lo of an approved Intrinsically Safe Apparatus connected to the ComEx control and indicating station must not exceed the permissible maximum values specified in IEC 60079-11 / EN 60079-11 and IEC 60079-25 / EN 60079-25, if applicable, for the zone(s) and group(s) of the corresponding hazardous areas of the location of the ComEx control and indicating station.

viii. The wiring internal to the equipment shall be carried out in such a way that a distance between the bare conducting parts of a cable lug mounted on the feed-through terminal for earthing and any other terminals is at least 10 mm.

ix The ComEx control and indicating station type 07-3521-..., 07-3522-... or 07-3523-... must not be connected with a sleeve fixing to the ComEx control and indicating station type 07-3524-..., 07-3525-... or 07-3526-... equipped with conduit adapters

x The minimum ambient temperature for the ComEx control and indicating station shall be above or equal to the minimum ambient temperature for the separately certified cable glands and blanking elements, but above or equal to -55 °C. The maximum ambient temperature for the ComEx control and indicating station shall be below or equal to 40 °C resp. 60 °C.

xi The intrinsically safe circuits are galvanically isolated from each other in accordance with IEC / EN 60079-11.

xii. The user shall ensure that all wiring to intrinsically safe modules is installed in accordance with the requirements of IEC / EN 60079-14 Clause 16.

Certificate Annex

Certificate Number	**CML 21ATEX31165X**
Equipment	**ComEx Control and Indicating Station, Type 07-352*-*************
Manufacturer	**BARTEC GmbH**

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

Issue 0

Document No	Sheets	Rev	Approved date	Title
01-3520-6A0001	1 of 1	-	08 Nov 2023	Minimum content of Marking ComEx Control and indicating station type 07-3521-**********, 07-3522-********** und 07-3523-**********
01-3520-6A0002	1 of 1	-	08 Nov 2023	Minimum content of Marking ComEx Control and indicating station type 07-3524-**********, 07-3525-********** und 07-3526-**********
01-3520-6B0001	1 to 33	-	08 Nov 2023	Description ComEx control and indicating station type 07-352*-**********
01-3520-650001	1 to 2	-	08 Nov 2023	ComEx control and indicating station type 07-352*-**********
01-3520-650001-BOM	1 to 2	-	08 Nov 2023	ComEx control and indicating station type 07-352*-**********
01-3520-650003	1 of 1	0	08 Nov 2023	Control and indicating station type 07-352*-**********
01-3520-650005	1 of 1	-	08 Nov 2023	Control drawing type 07-352*- **********
01-3530-650001	1 to 3	-	08 Nov 2023	Enclosure type 07-353*-….
01-3530-650001-BOM	1 to 2	-	08 Nov 2023	Enclosure type 07-353*-….
01-3530-650002	1 of 1	-	08 Nov 2023	Enclosure type 07-353*-….