



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX CML 21.0132X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-11-08

Applicant: **BARTEC GmbH**
Max-Eyth- Straße 16
97980 Bad Mergentheim
Germany

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

Optional accessory:

Type of Protection: **Flameproof "Ex db", Increased Safety "Ex eb", Intrinsic Safety "Ex ia" and Dust Protection by Enclosure "Ex tb"**

Marking: **07-3521-..., 07-3522-... and 07-3523-...** **07-3524-..., 07-3525-... and 07-3526-...**
Ex db eb IIC T6 Gb Ex db ia IIC T6 Gb
Ex tb IIIC T80°C Db

Approved for issue on behalf of the IECEx
Certification Body:

L A Brisk

Position:

Assistant Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

08 Nov 2023

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Max-Eyth- Straße 16
97980 Bad Mergentheim
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Manufacturing
locations: **BARTEC GmbH**
Max-Eyth- Straße 16
97980 Bad Mergentheim
Germany

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 equipment 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

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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/ExTR21.0216/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

See Annex for full description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

See Annex for Specific Conditions of Use.

Annex:

[Certificate Annex - IECEx CML 21.0132X.pdf](#)

Annexe to: IECEx CML 21.0132X Issue 0

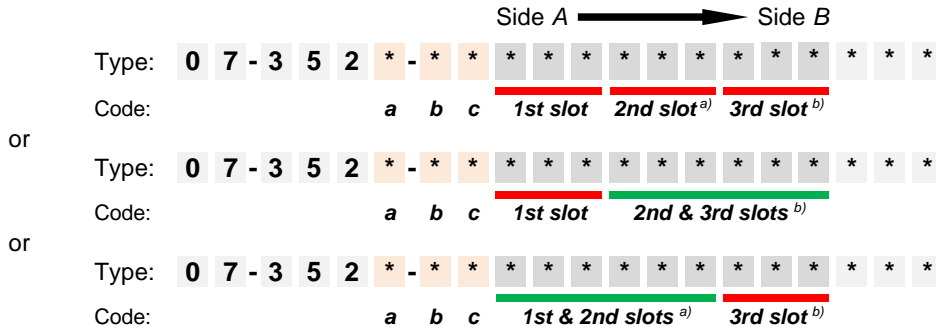
Apparatus: ComEx Control and Indicating Station, Type 07-352*-*****

Applicant: BARTEC GmbH



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 1/2" NPT ^{c)} B – Conduit adapter 3/4" 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
<hr/>	
1st, 2nd & 3rd slot	Single-slot actuators & modules combinations
<hr/>	
1st & 2nd slots or 2nd & 3rd slots	Double-slot actuators & modules combinations



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Version: 10.0 Approval: Approved



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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.



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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.

Specific Conditions of Use

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 U_0 , I_0 , C_0 and L_0 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



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- 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.

Components used which are covered by Ex Certificates issued to older editions of Standards

Certificate number	Standards (incl Ed)	Assessment result
IECEX CML 21.0128U	IEC 60079-0:2018 Ed. 7 IEC 60079-7:2015 Ed. 5.1 IEC 60079-31:2014 Ed. 2	No applicable technical differences
IECEX CML 22.0014U	IEC 60079-0:2017 Ed. 7 IEC 60079-1:2014 Ed. 7 IEC 60079-7:2015 Ed. 5.1 IEC 60079-11:2012 Ed. 6	No applicable technical differences



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