



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 22.0015X	Page 1 of 4	<u>Certificate history:</u> Issue 0 (2024-09-06)
Status:	Current	Issue No: 1	
Date of Issue:	2026-03-17		
Applicant:	BARTEC GmbH Max Eyth Straße 16 97980 Bad Mergentheim Germany		
Equipment:	Panelmounted module with junction box type 07-33*4-5**0/****		
Optional accessory:			
Type of Protection:	Flameproof "Ex db", Increased Safety "Ex eb" and Intrinsic Safety "Ex ia", Dust Protected "Ex tb"		
Marking:	07-3324-5**0/****; 07-3354-51*0/****; 07-3364-51*0/****; 07-3364-52*0/****; 07-3364-57*0/****; 07-3364-58*0/****; 07-3374-5D*0/**** 07-3354-54*0/****; 07-3364-55*0/****; 07-3364-56*0/**** Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Stelios Roumbedakis

Position:

Certification Manager

Signature:
(for printed version)

S. Roumbedakis

Date:
(for printed version)

2026-03-17

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Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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

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 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[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 Reports:

[GB/CML/ExTR22.0088/00](#)

[GB/CML/ExTR26.0039/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/17](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The panelmounted module with junction box type 07-33*4-5**0/**** is intended for use in hazardous area Zone 1 and 21 as fixed equipment mounted by means of an actuator on a wall of an enclosure or a panel to indicate and switch non-intrinsically safe or intrinsically safe electrical circuits.

See Certificate Annex for full Product Description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

See Certificate Annex



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) **Issue 1**

This variation introduced the following change:

1. To evaluate the equipment for Ex tb applications.

Annex:

[Certificate Annex IECEx CML 22.0015X, Issue 1_1.pdf](#)

Annexe to: IECEx CML 22.0015X, Issue 1
 Apparatus: Panelmounted module with junction box type 07-33*4-5**0/****
 Applicant: Bartec GmbH



Description

The panelmounted module with junction box type 07-33*4-5**0/**** is intended for use in hazardous area Zone 1 and 21 as fixed equipment mounted by means of an actuator on a wall of an enclosure or a panel to indicate and switch non-intrinsically safe or intrinsically safe electrical circuits.

The panelmounted module with junction box may optionally be provided with a connection cable as well as one of the corresponding accessories: protective collar, locking device, shield holder and marking clip.

Type no.	0	7	-	3	3	*	4	-	5	*	*	0	/	*	*	*	*
Code no.	A	B		C	D	E	F		G	H	I	J		K	L	M	N

<u>Code</u>	<u>Code for</u>	<u>Variations</u>	<u>Description</u>
A, B	Basic program	07	ExCo
C, D	Product sector	33	Control and indicator device
E	Device (function module)	2	Switch module type 07-3324-4**0/****
		5	Illuminated indicator module type 07-3354-4**0/****
		6	Illuminated push button module type 07-3364-4**0/****
		7	Potentiometer module type 07-3374-4D*0/****
F	Mounting	4	Panel
G	Connection	5	Junction box
H, I	Number or letter identical to the code variation of the corresponding function module type 07-33*4-4**0/****		
J-N	Number or letter for characteristics without influence on the explosion protection		

Ratings

General

Mechanical risk level (on the actuator side) high

Degree of protection IP64

at the following conditions:

– tightening torque of the junction box fastening screws 0.5 Nm

– tightening torques of the cable gland acc. to manufacturer specification

– diameter of the connection cable acc. to manufacturer specification

Rated connecting capacity of terminals 0.75 - 2.5 mm²

Rated torque for terminal screws 0.4 - 0.7 Nm

Ambient temperature range refer to Specific Conditions of Use

Further technical data can be found on documentation of the corresponding used separately certified cable gland.



Certificate Annex IECEx
 Version: 12.0 Approval: Approved



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**Panelmounted module with junction box type 07-3324-5**0/******

The module can be used to switch non-intrinsically safe electrical circuits:

Rated voltage 400/690 V

Rated insulation voltage 400/690 V

Rated current at the connection cable & maximum ambient temperature:

Ambient temperature	Number of wires [pcs.]	Maximum rated current [A] per wire at wire cross-section [mm ²]			
		≥ 0.75	≥ 1	≥ 1.5	≥ 2.5
≤ 40 °C	2	14	16	20	25
	4	8	10	13	19
≤ 60 °C	2	8	9	12	16
	4	4	6	8	11

Ex-Marking: II 2GD Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db

Panelmounted module with junction box type 07-3354-51*0/**, 07-3364-57*0/****, 07-3364-58*0/******

The module can be used to indicate and switch non-intrinsically safe electrical circuits:

Rated voltage 230 V

Working voltage 250 V

Rated insulation voltage 300 V

Rated operating voltage, U_e (indicator) AC/DC 12 V to 230 V

Rated current 1 A

Ex-Marking: Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db

Panelmounted module with junction box type 07-3354-54*0/**, 07-3364-55*0/****, 07-3364-56*0/******

The module can be used to indicate and switch a circuits in type of protection Intrinsic Safety Ex ia IIC and IIIC:

Rated voltage 30 V

Rated insulation voltage 30 V

Rated operating voltage, U_e (indicator) DC 12 V to 30 V

Maximum values per circuit:

U_i = 30 V

I_i = 150 mA

P_i = 1 W

C_i (indicator) = 37 nF

C_i (switch) – negligibly low

L_i – negligibly low

Ex-Marking: Ex db ia IIC T6 Gb Ex ia tb IIIC T80°C Db

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



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Panelmounted module with junction box type 07-3364-51*0/**, 07-3364-52*0/******

The module can be used to indicate and switch a non-intrinsically safe electrical circuits:

Rated voltage	30 V
Rated insulation voltage	30 V
Rated operating voltage, U _e (indicator)	DC 12 V to 30 V
Rated current	0.25 A
Ex-Marking:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db

Panelmounted module with junction box type 07-3374-5D*0/****

The module can be used to switch non-intrinsically safe electrical circuits:

Rated voltage	250 V
Rated insulation voltage	250 V
Rated power dissipation	1 W
Ex-Marking:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db

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.



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Specific Conditions of Use

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

- i. The panelmounted module with junction box shall be installed in such a way that except for an actuator's functional surface and optionally accessory it is protected by an enclosure that complies at least with the requirements of IEC 60079-0 clause 26.4.2 and excludes the risk of mechanical damage as well as protected from exposure to UV light.
- ii. The minimum ambient temperature for the panelmounted module with junction box shall be above or equal to the minimum ambient temperature for the separately certified cable gland, but above or equal to -55 °C for hazardous gas areas and -40 °C for hazardous dust areas. The maximum ambient temperature shall be below or equal to +60 °C.
- iii. In hazardous gas areas, the panelmounted module with junction box containing the actuator type 07-3400-C***/****, 07-3400-F***/****, 07-3400-G***/**** and/or provided with the protective collar, the locking device, the shield holder and not mounted on a conductive earthed surface shall be installed in such a way that actuator's functional surface and optionally accessory are against the electrostatic charging.
- iv. The values U_o , I_o , C_o and L_o of an approved Intrinsically Safe Apparatus connected to the panelmounted module with junction box must not exceed the permissible maximum values specified in IEC 60079-11 and IEC 60079-25, if applicable, for the zone(s) and group(s) of the corresponding hazardous areas of the location of the panelmounted module with junction box.
- v. The technical data of separately certified cable gland according to manufacturer specifications shall be observed.
- vi. Each terminal of the panelmounted module with junction box is limited to one conductor per clamping unit.
- vii. Suitable additional clamping of the connection cable shall be used to ensure that pulling is not transmitted to the cable gland.
- viii. In hazardous dust areas, the panelmounted module with junction box shall be installed in such a way that the actuator's functional surfaces and optional accessories are protected against electrostatic charging.
- ix. The maximum available short circuit current of supplies connected to the panelmounted module with junction box shall not exceed 10 kA.
- x. If the panelmounted module with junction box does not contain a cable gland, the entry into the equipment with a maximum diameter of 16.5 mm shall be fitted with a suitably Ex certified Cable Gland in the types of protection "eb" and "tb" with a maximum service temperature above or equal to +70 °C, with a length of the threaded part up to 20 mm and, with an optional Special Condition of Use that tensile force shall be relieved from the connection cable.



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