



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 EPS 23.0049X**

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Certificate history:

Status: **Current**

Issue No: 1

Issue 0 (2023-09-08)

Date of Issue: **2025-08-28**

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

Equipment: **Control module type 07-73*2-****/******

Optional accessory:

Type of Protection: **db, eb, p, i, op**

Marking: **see Annex**

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



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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:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturing
locations: **BARTEC GmbH**
Max-Eyth-Str. 16
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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 60079-2:2014 Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"
Edition:6

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
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:

DE/EPS/ExTR23.0058/01

Quality Assessment Report:

DE/TUN/QAR06.0017/14



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The control module type 07-73*2-****/**** with mounted build-in unit is used to control, switch and indicate electrical and optical circuits inside explosion hazardous areas. Field connections can be established on the integrated terminals, the permanently connected wires and cables, the optical fibres, the optical fibre cables, the fibre optic connectors, the coaxial cables and the coaxial connectors. The control module is snapped onto mounting rails, lining up is permitted

SPECIFIC CONDITIONS OF USE: YES as shown below:

The control module that do not complies with IEC 60079-7 must be installed in such a way that 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.

The control module that complies with IEC 60079-7 must to be installed in an enclosure which meets the requirements of a recognized type of protection as specified in Clause 1 of IEC 60079-0. When the control module is installed in an increased safety enclosure that complies with IEC 60079-7, the creepage and clearance distances must comply with the standard requirements. When the control module also complies IEC 60079-11, the enclosure that complies with IEC 60079-7 can be provided with a wording "WARNING - NON-INTRINSICALLY SAFE CIRCUITS PROTECTED BY INTERNAL IP30 COVER" or a technically equivalent warning on an enclosure cover and a separate internal cover providing at least the degree of protection IP30 for all bare live parts of non-intrinsically safe circuits when the enclosure is open. The internal cover shall have a wording "WARNING - DO NOT OPEN WHEN ENERGIZED" or a technically equivalent warning.

The control module must be installed in such a way that it is protected from exposure to UV light.

A tensile force must be relieved on cables and wires, optical fibres, optical fibre cables and coaxial cables for field connections.

The operational instruction must be observed, the ambient temperature range and further additional special conditions of use must be considered.

The control module must be installed in such a way that terminals of intrinsically safe circuits are separated from terminals of non-intrinsically safe circuits as well as from earthed or potential-free conducting parts by one or more of the methods according to IEC 60079-11 clause 6.2.1.

The control module must be installed in such a way that it is protected from oils, greases exposure and hydraulic liquids when used in mine susceptible to firedamp (Group I).

The control module must be installed on the mounting rail with the clearance distances to other devices according to a maximum ambient temperature and a temperature class of the existing hazardous area.

When the control module used in mine susceptible to firedamp (Group I), the maximum rated current must not exceed 16 A.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Change of cable entry design length.

Annex:

[IECEx EPS 23.0049X - Annexe.pdf](#)



Annex to IECEx Certificate of Conformity

IECEx EPS 23.0049X



1. Type code

Type no.	0	7	-	7	3	*	2	-	*	*	*	*	/	*	*	*	*
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 range	07	ExCo
C, D	Device group	73	Modular built in device
E	Device specification	1	Rail mounted, terminals at the bottom
		2	Rail mounted, permanently connected cables
		3	Rail mounted, terminals at the top
F	Kind of design	2	2 nd design
G, H	Enclosure size	61	Length 61 mm, width 15 mm
	(only for types	63	Length 61 mm, width 30 mm
	07-7312-****/****,	93	Length 90 mm, width 30 mm
	07-7322-****/****)	97	Length 90 mm, width 75 mm
G, H	Number or letter for characteristics without influence on the explosion protection (only for type 07-7332-****/****).		
I - N	Number or letter for characteristics without influence on the explosion protection		



1.1 Control module Type 07-7312-****/****

Ex-Marking:

Ex db eb IIC T6...T4 Gb and/or

Ex db eb IIB T6...T4 Gb and/or

Ex db eb IIA T6...T4 Gb

Ex db eb I Mb

If a separately certified built-in unit is used, the marking shall be supplemented with each used of the following types and levels of protection:

- "ia", for EPL Ga, Gb, Ma or Mb
- "ib", for EPL Gb or Mb
- "ic", for EPL Gc
- "op is", for EPL Ga, Gb, Ma or Mb
- "op pr", for EPL Gb or Mb
- "op sh", for EPL Ga, Gb, Ma or Mb
- "pxb", for EPL Gb or Mb (Ex associated equipment only)
- "pyb", for EPL Gb (Ex associated equipment only)
- "pzc", for EPL Gc (Ex associated equipment only)

If a separately certified built-in unit is used, the marking shall only be include the same subdivisions of Group II as the marking of the built-in unit.

If a separately certified built-in unit is used that is equipped with optical fibres, optical fibre cables and/or fibre optic connectors for an inherently safe optical radiation, the marking shall only be include the temperature class no lower than the marking of the built-in unit.

Ambient temperature range, up to

-40 °C to +95 °C

1.2 Control module Type 07-7322-****/****

Ex-Marking:

Ex db IIC T6...T4 Gb and/or

Ex db IIB T6...T4 Gb and/or

Ex db IIA T6...T4 Gb

Ex db I Mb

If a separately certified built-in unit is used, the marking shall be supplemented with each used of the following types and levels of protection:

- "ia", for EPL Ga, Gb, Ma or Mb
- "ib", for EPL Gb or Mb
- "ic", for EPL Gc
- "op is", for EPL Ga, Gb, Ma or Mb
- "op pr", for EPL Gb or Mb
- "op sh", for EPL Ga, Gb, Ma or Mb
- "pxb", for EPL Gb or Mb (Ex associated equipment only)
- "pyb", for EPL Gb (Ex associated equipment only)
- "pzc", for EPL Gc (Ex associated equipment only)



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If a separately certified built-in unit is used, the marking shall only be include the same subdivisions of Group II as the marking of the built-in unit.

If a separately certified built-in unit is used that is equipped with optical fibres, optical fibre cables and/or fibre optic connectors for an inherently safe optical radiation, the marking shall only be include the temperature class no lower than the marking of the built-in unit.

Ambient temperature range, up to

-40 °C to +95 °C

1.3 Control module Type 07-7332-****/****

Ex-Marking:

Ex db IIC T6...T4 Gb and/or

Ex db IIB T6...T4 Gb and/or

Ex db IIA T6...T4 Gb

Ex db I Mb

If a built-in unit is used that is equipped with field wiring connections for non-intrinsically safe circuits, the marking shall be supplemented with the type of protection "eb" for EPL Gb or Mb.

If a separately certified built-in unit is used, the marking shall be supplemented with each used of the following types and levels of protection:

- "ia", for EPL Ga, Gb, Ma or Mb
- "ib", for EPL Gb or Mb
- "ic", for EPL Gc
- "pxb", for EPL Gb or Mb (Ex associated equipment only)
- "pyb", for EPL Gb (Ex associated equipment only)
- "pzc", for EPL Gc (Ex associated equipment only)

If a separately certified built-in unit is used, the marking shall only be include the same subdivisions of Group II as the marking of the built-in unit.

Ambient temperature range, up to

-40 °C to +95 °C

Ratings are depending on the type of internal electronics and are documented individually on label and manual.