

## EU - Type Examination Certificate

- (1)
- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**
- (3) EU - Type Examination Certificate Number

**EPS 23 ATEX 1 208 X**

**Revision 1**

- (4) Equipment: Control module type 07-73\*2-\*\*\*\*/\*\*\*\*
- (5) Manufacturer: BARTEC GmbH
- (6) Address: Max-Eyth-Straße 16  
97980 Bad Mergentheim  
Germany
- (7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 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 and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 20TH0267\_01.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN 60079-1:2014**


**EN 60079-2:2014,  
EN 60079-2:2014/AC:2015**

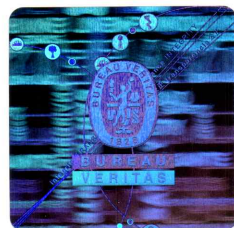
**EN 60079-7:2015,  
EN IEC 60079-7:2015/A1:2018**

**EN 60079-11:2012**

**EN 60079-28:2015**

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.
- (11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

 see Annex



Tuerkheim, 2025-08-28

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(13)

## Annex

(14) **EU - Type Examination Certificate EPS 23 ATEX 1 208 X**

**Revision 1**

(15) Description of equipment:

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.

Type code:

<b>Type no.</b>	<b>0</b>	<b>7</b>	<b>-</b>	<b>7</b>	<b>3</b>	<b>*</b>	<b>2</b>	<b>-</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>/</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>
<b>Code no.</b>	<b>A</b>	<b>B</b>		<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>		<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>		<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>

<u>Code</u>	<u>Code for</u>	<u>Variations</u>	<u>Description</u>
<b>A, B</b>	Basic range	07	ExCo
<b>C, D</b>	Device group	73	Modular built in device
<b>E</b>	Device specification	1	Rail mounted, terminals at the bottom
		2	Rail mounted, permanently connected cables
		3	Rail mounted, terminals at the top
<b>F</b>	Kind of design	2	2 <sup>nd</sup> design
<b>G, H</b>	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
<b>G, H</b>	Number or letter for characteristics without influence on the explosion protection (only for type 07-7332-****/****).		
<b>I - N</b>	Number or letter for characteristics without influence on the explosion protection		





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**Revision 1**

**1. Control module Type 07-7312-\*\*\*\*/\*\*\*\***

Ex-Marking:

-  II 2 G Ex db eb IIC T6...T4 Gb and/or
-  II 2 G Ex db eb IIB T6...T4 Gb and/or
-  II 2 G Ex db eb IIA T6...T4 Gb
-  I M2 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

Ratings:

Voltage (r.m.s. value) between different non-intrinsically safe circuits as well as between a non-intrinsically safe circuit and earthed or potential-free conducting parts, up to

- each terminals equipped with rails 400 V
- each terminals equipped with double rails 500 V
- each second terminals 630 V
- permanently connected cables and wires 1000 V

Maximum voltage (peak value) between separate intrinsically safe circuits as well as between an intrinsically safe circuit and earthed or potential-free conducting parts, up to

90 V

Maximum voltage (peak value) between non-intrinsically safe and intrinsically safe circuits, up to

720 V

Rated current, up to

21 A

Number of independent terminals, up to

20

Rated connecting capacity of terminals, up to

0.13 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

Rated torque





0.4 ... 0.6 Nm

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**2. Control module Type 07-7322-\*\*\*\*/\*\*\*\***

Ex-Marking:

	II 2 G	Ex db IIC T6...T4 Gb and/or
	II 2 G	Ex db IIB T6...T4 Gb and/or
	II 2 G	Ex db IIA T6...T4 Gb
	I M2	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)

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

Ratings:

Maximum voltage (peak value) between non-intrinsically safe and intrinsically safe circuits as well as voltage (r.m.s. value) between different non-intrinsically save circuits as well as between a non-intrinsically safe circuit and earthed or potential-free conducting parts, up to

- permanently connected cables and wires 1000 V

Maximum voltage (peak value) between separate intrinsically save circuits as well as between an intrinsically safe circuit and earthed or potential-free conducting parts, up to 90 V

Rated current, up to 21 A

Number of independent terminals, up to 20

Rated connecting capacity of terminals, up to 0.13 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>





Rated torque 0.4 ... 0.6 Nm

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**3. Control module Type 07-7332-\*\*\*\*/\*\*\*\***

Ex-Kennzeichnung:

-  II 2 G Ex db IIC T6...T4 Gb and/or
-  II 2 G Ex db IIB T6...T4 Gb and/or
-  II 2 G Ex db IIA T6...T4 Gb
-  I M2 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:

- "ja", 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:

Voltage (r.m.s. value) between different non-intrinsically save circuits as well as between a non-intrinsically safe circuit and earthed or potential-free conducting parts, up to

- each terminals 250 V
- each second terminals 500 V

Maximum voltage (peak value) between separate intrinsically save circuits as well as between an intrinsically safe circuit and earthed or potential-free conducting parts, up to 90 V

Maximum voltage (peak value) between non-intrinsically safe and intrinsically safe circuits, up to 630 V

Rated current, up to 16 A

Number of independent terminals, up to 48

Rated connecting capacity of terminals, up to 0.13 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>

Rated torque 0.4 ... 0.6 Nm

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(16) Reference number: 20TH0267\_01

(17) Special conditions for safe use:

The control module that do not complies with EN 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 EN IEC 60079-0 clause 26.4.2 and excludes the risk of mechanical damage.

The control module that complies with EN IEC 60079-7 must be installed in an enclosure which meets the requirements of a recognized type of protection as specified in Clause 1 of EN IEC 60079-0. When the control module is installed in an increased safety enclosure that complies with EN IEC 60079-7, the creepage and clearance distances must comply with the standard requirements. When the control module also complies EN 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 fibers, optical fiber 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 EN 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.

(18) Essential health and safety requirements:

Met by compliance with standards.



Tuerkheim, 2025-08-28

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