

- (1)

EC-Type-Examination Certificate
(Translation)
- (2)

Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres -
Directive 94/9/EEC
- (3)

EC-Type-Examination Certificate Number:

PTB 97 ATEX 1068 U
- (4)

Equipment:Control component type 07-7311-.../....
- (5)

Manufacturer:BARTEC Componenten und Systeme GmbH
- (6)

Address:D-97980 Bad Mergentheim
- (7)

This equipment and any acceptable variation thereto are specified in the schedule to this
certificate and the documents therein referred to.
- (8)

The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article
9 of the Council Directive 94/9/EEC of 23 March 1994 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 to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 97-17080
- (9)

Compliance with the Essential Health and Safety Requirements has been assured by
compliance with:

EN 50014: 1997 EN 50018: 1994 EN 50019: 1994
- (10)

If the sign "U" is placed after the certificate number it indicates that this certificate must not be
confused with a certificate designated for a device or protective system. This partial certificate
may only be used as the basis for certification of a device or protective system.
- (11)

This EC-type-examination Certificate relates only to the design and construction of the
specified equipment in accordance with Directive 94/9/EEC. Further requirements of this
Directive apply to the manufacture and supply of this equipment.
- (12)

The marking of the equipment shall include the following:

Ex II 2 G EEx de II C I M 2 EEx de I

Zertifizierungsstelle Explosionsschutz
By order
Dr.-Ing. U. Klausmeyer
Oberregierungsrat

Braunschweig, 23 March 1998

- (13)

Schedule
- (14)

EC-Type-Examination Certificate No. PTB 97 ATEX 1068 U
- (15)

Description of equipment

The control component type 07-7311-.../.... in a flameproof enclosure is used to control,
switch and indicate electrical circuits. It is permissible to install control elements such as
plungers and axles and light elements for signal and indicator displays. Connection is
established on the integrated terminals. The control component is snapped on to rails and
several may be mounted in a row.

Technical data

Rated voltage max. 550 V

Power loss for T6 at T_a 40°C and T4 at 65°C

	Clearance	16 mm	8 mm	Several in a row
Type 07.7311-63	max.	1.9 W	1.7 W	1.2 W
Type 07.7311-93 (depth 91 mm)	max.	3.0 W	2.5 W	1.8 W
Type 07.7311-97	max.	4.3 W	4.3 W	3.0 W
Type 07.7311-93 (depth 78 mm)	max.	2.2 W	1.8 W	1.8 W

Power loss for T6 at T_a 60°C and T4 at 80°C

	Clearance	16 mm	8 mm	Several in a row
Type 07.7311-63	max.	0.9 W	0.7 W	0.5 W
Type 07.7311-93 (depth 91 mm)	max.	1.4 W	1.1 W	0.8 W
Type 07.7311-97	max.	2.1 W	1.9 W	1.6 W
Type 07.7311-93 (depth 78 mm)	max.	1.1 W	0.9 W	0.9 W

Rated conductor cross section: max. 2.5 mm²

Number of terminals: 2 ...20

This control component is suitable for use in areas of temperature class T6 to T4. The
flameproof enclosure of the component is rated as resistant to temperatures of -25°C to 105°C.

Rated operating voltage and current and, in the case of switchgear, utilization category are in
accordance with the components fitted and should be taken from the information supplied by
the manufacturer.

- (16) Report PTB Ex 97-17080 consisting of 3 pages and Description (11 pages)
Drawing (1 page)
Parts list (2 pages)
Table (4 pages)
Test report (97 pages)

- (17) Special conditions for safe use

The control component is to be fitted in an enclosure complying with an approved explosion protection type in accordance with EN 50 014 section 1.2.

When fitted in an enclosure of explosion protection type "e" increased safety in accordance with EN 50 019, the clearance and creepage distances in accordance with section 4.3, section 4.4 and Table 1 must be met.

The component is suitable for use in both Group I and Group II, as the requirements of the standards are identical in this case.

The EC-type-examination certificate and any future supplements thereto shall also count as supplements to partial conformity certificate PTB No. Ex-89.C.1063 U.

Routine testing

Routine testing in accordance with EN 50 018 section 16.1.1 is waived owing to the component having passed the type test in accordance with section 16.2 at four times reference pressure

Routine tests in accordance with EN 50 014 section 23.4.7.1 and the test documentation are to ensure that the maximum permissible temperature for the relevant temperature class is adhered to, taking account of the maximum permissible ambient temperature

- (18) Essential Health and Safety Requirements

Not applicable.

Zertifizierungsstelle Explosionsschutz

Braunschweig, 23 March 1998

By order

Dr.-Ing. U. Klausmeyer

Oberregierungsrat

1st SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 97 ATEX 1068 U

(Translation)

Equipment: control module, type 07-7311-.../....

Marking:  II 2 G EEx de IIC I M 2 EEx de I

Manufacturer: BARTEC GmbH

Address: Max-Eyth-Straße 16,
97980 Bad Mergentheim, Germany

The essential health and safety requirements are met by compliance with:

EN 50014:1997 EN 50018:1994 EN 50019:1994 EN 50020:2002

Description of supplements and modifications

The control module, type 07-7311-.../.... may also be equipped with certified associated and/or intrinsically safe apparatus and/or simple apparatus according to the specifications listed in the description under point 3a of the test report.

The „Electrical data“ are specified in the respective EC-type-examination certificates.

The marking changes as follows and has to be adapted to the respective equipment installed:

 II 2 (1) G EEx d e [Ia] IIC resp. IIB

 II 2 G EEx d e [Ib] IIC resp. IIB

 I M 2 EEx d e [Ia resp. Ib] I

Sheet 1/2

EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

Physikalisch-Technische Bundesanstalt • Bundesallee 100 • 38116 Braunschweig, Germany

All other data remain unchanged.

Test report: PTB Ex 04-21194

Zertifizierungsstelle Explosionsschutz
By order:

Dr.-Ing. U. Johann
Regierungsdirektor



Braunschweig, January 26, 2004

Sheet 2/2

EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

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EG-Konformitätserklärung
EC-Declaration of Conformity
CE-Déclaration de Conformité

BARTEC

Wir	We	Nous
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BARTEC GmbH, Max-Eyth-Strasse 16, 97980 Bad Mergentheim		
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erklären, dass das Produkt	declare, that the product	attestons, que le produit
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Netzfilter	Line filter	filtre d'alimentation
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Typ-Nr.: 07 – 7311 – 93G* / ****

auf das sich diese Erklärung bezieht, den Bestimmungen der folgenden Richtlinien entspricht	to which this declaration relates is in accordance with the provision of the following directives	se référant à cette attestation correspond aux dispositions des directives suivantes
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94/9/EG

94/9/EC

94/9/CE

und mit folgenden Normen oder normativen Dokumenten übereinstimmt

and is in conformity with the following standards or other normative documents

et est conforme aux normes ou documents normatifs ci-dessous

EN 60 079-0: 2006;

EN 60 079-1: 2004;

EN 60 079-7: 2007

EG-Baumusterprüf-bescheinigung	EC-Type Examination Certificate	Attestation d'examen CE de type
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PTB 97 ATEX 1068 U

Kennzeichnung

0044

Marking

Ⓔ II 2G Ex de IIC

Ⓔ I M2 Ex de I

Marquage

Bad Mergentheim, den 28.04.2008

Ewald Wamuth
Ewald Wamuth
Managing Director
Bad Mergentheim

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