



(1) **EC-TYPE-EXAMINATION CERTIFICATE**  
(Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

**PTB 00 ATEX 1068**

(4) Equipment: Control and indicating device, type 07-351.-...../...../.....

(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/EC 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 00-10129.

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

**EN 50014:1997 + A1 + A2**

**EN 50018:1994**

**EN 50019:1994**

**EN 50028:1987**

**EN 50281-1-1:1998**

(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 schedule to this certificate.

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

(12) The marking of the equipment shall include the following:

**II 2 G EEx e d m IIC T6** or **II 2 D IP 65 T 80°C**

Zertifizierungsstelle Explosionsschutz

Braunschweig, January 23, 2001

By order:

Dr.-Ing. U. Klausmeyer  
Regierungsdirektor



- (13) **SCHEDULE**
- (14) **EC TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 1068**
- (15) Description of equipment

The control and indicating device of type 07-351-...../...../..... comprises one or several plastic enclosures designed to type of protection Increased Safety "e". The enclosures can be fitted with terminals as well as with control and indicating elements. Cable entries are provided for connection.

All incorporated or attached components will be tested and certified under a separate examination certificate.

Should the control and indicating device be used in atmospheres which because of the presence of dust are potentially explosive (marking: D), all components attached to the device have to be specially certified for such conditions.

**Technical data**

Rated insulation voltage:* .....	up to	690 V
Rated voltage:* .....	up to	400 V
Rated current:* .....	max.	20 A
Conductor size:* .....	max.	2.5 mm <sup>2</sup>
Protective conductor:* .....	max.	2.5 mm <sup>2</sup>

\*) depending on the type of terminal and explosion-proof components used

Ambient temperature range: ..... -55°C to +60°C

Type of protection: ..... IP 65

The ratings are maximum values; the actual electrical values will be determined by the electrical apparatus actually installed. Depending on the system conditions, the mode of operation, the utilisation category, etc., the manufacturer will specify the definitive ratings which will be within the range of these limiting values and will comply with the relevant standards.

The actual ambient temperature range will be based on the admissible temperature range of the components used.

The composition of the protection symbol will be based on the types of protection of the components actually used.

- (16) Test report PTB Ex 00-10129

(17) Special conditions for safe use

None

**Notes for installation and use**

The maximum number of conductors for each enclosure size, which depends on the cross-section and the admissible continuous current, is shown in the attached reference sheets.

The EC type-examination certificate and any future supplements thereto shall at the same time be regarded as supplement for certificate of conformity PTB No. Ex-97.D.3127.

(18) Essential health and safety requirements

The tests and the favourable results these have produced reveal that the control and indicating device of type 07-351.-...../...../..... meets the requirements of directive 94/9/EC as well as those of the standards quoted on the cover sheet.

Zertifizierungsstelle Explosionsschutz

Braunschweig, January 23, 2001

By order:

Dr.-Ing. U. Klausmeyer  
Regierungsdirektor



## 1st SUPPLEMENT

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

to EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 1068

(Translation)

Equipment: Command and display unit, type 07-351.-.../.../....

Marking: II 2 G EEx e d m IIC T6 or II 2 D IP 65 T 80°C

Manufacturer: BARTEC GmbH (previously BARTEC Componenten und Systeme GmbH)

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

### Description of supplements and modifications

The ambient temperature range and the IP code of the command and display unit type 07-351.-.../.../.... have been changed.

Ambient temperature range

for explosive gas atmospheres: ..... -55 °C to + 60 °C

for explosive dust atmospheres: ..... -20 °C to + 60 °C

Type of protection: ..... IP 67

In conjunction with the positioner (Ø 65 mm), type 05-0003-0062/...., the type of protection is IP 66.

The marking is now:

II 2 G EEx e d m IIC T6 or II 2 D IP 66/IP 67 T 80°C

### Notes for manufacturing and operation

The notes for manufacturing and operation equally apply to this first supplement.

Test report: PTB Ex 03-12354

Zertifizierungsstelle Explosionsschutz

By order:

Dr.-Ing. U. Klausmeyer  
Regierungsdirektor



Braunschweig, February 26, 2003

Sheet 1/1

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.

## 2nd SUPPLEMENT

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

### to EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 1068

(Translation)

Equipment: Command and display unit, type 07-351.-.../.../...

Marking:  II 2 G EEx e d m IIC T6 and II 2 D IP 66/IP 67 T 80°C

Manufacturer: BARTEC GmbH

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

#### Description of supplements and modifications

The command and display unit, type 07-351.-.../.../..., has been inspected on the basis of Standards EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, and EN 61241-1.

The marking thus changes to:

 II 2 G Ex e d IIC T6

 II 2 D Ex tD A21 IP65, IP 66 and IP67 T 80°C

#### Technical data

Rated voltage:\* ..... up to 690 V  
Rated current:\* ..... max. 20 A  
Conductor size:\* ..... max. 2.5 mm<sup>2</sup>  
Protective conductor size:\* ..... max. 2.5 mm<sup>2</sup>

\*) depending on type of terminal and Ex-type components used

#### Ambient temperatures

For explosive gas atmospheres: ..... -55 °C to + 60 °C

For explosive dust atmospheres: ..... -20 °C to + 60 °C

Degree of protection: ..... IP 67, IP66 and IP65, depending on  
..... actuating elements used

Rated values are maximum values, the actual electrical values are determined by mounted electrical apparatus. Within these limiting values complying with the appropriate standards the manufacturer specifies the final limiting values dependent on power supply specifications, operating mode, utilization category, etc.

Braunschweig und Berlin

2nd SUPPLEMENT TO EC-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 1068

The actual ambient temperature range depends on the permissible temperature range of the components used.

The composition of the protection symbol depends on the types of protection of the components actually used.

Notes for manufacturing and operation

The notes for manufacturing and operation continue to apply.

Applied standards

EN 60079-0:2004

EN 60079-1:2004

EN 60079-7:2007

EN 61241-0:2006

EN 61241-1:2004

Test report: PTB Ex 07-17194

Zertifizierungsstelle Explosionsschutz

By order:

Braunschweig, September 5, 2007

  
  
Dr.-Ing. M. ...  
Oberregierungs...