Translation

(1) Statement of Conformity

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

(3) **Statement of Conformity Number:** **TÜV 09 ATEX 553359**

(4) for the equipment: Control system SILAS

(5) of the manufacturer: BARTEC GmbH

(6) Address: Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Order number: 8000553359

Date of issue: 2009-07-14

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this statement of conformity and the documents therein referred to.

(8) The TÜV NORD CERT GmbH certifies that this equipment or protective system 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 No. 09 204 553359.

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

EN 60079-0:2006	**EN 60079-2:2007**	**EN 60079-15:2005**
EN 61241-0:2006	**EN 61241-1:2004**	**EN 61241-4:2006**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This statement of conformity relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:

Ⓔx II 3 G Ex nA nC [pz] IIC T4 resp. II 3 G Ex nA nC [pz] IIC T6 and
Ⓔx II 3 D Ex tD [pD] A22 IP54 T85 °C

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, accredited by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the certification body

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(13) **S C H E D U L E**

(14) **Statement of Conformity No. TÜV 09 ATEX 553359**

(15) Description of equipment

The control system SILAS is used as a control- and safety device for electrical equipment designed by the method of "Pressurisation with leakage compensation".
The control system consists of a control device type A7-3741-1**0/**** and a pressure controller type 17-51P3-1604/****. A pressurised device which is equipped with the control system has to be assessed as a pressurised apparatus. The pressure controller is only for the assembly with a device according to devices of group II, category 3 and will be protected against mechanical damage and ultraviolet light by installation.

Technical data:

The maximum permissible ambient temperature for the control system, depending on the temperature class has to be taken from the following table.

Permissible ambient temperature range	Temperature class
0 °C to +40 °C	T6
0 °C to +60 °C	T4

Permissible temperature range of the protective gas: 0 °C to +40 °C

Permissible ambient temperature range: 0 °C to +80 °C
(pressure controller)

For the control system with the control device type A7-3741-10/1*****

Supply circuit.....Nominal voltage: 230 V a.c.
(Terminals 7, 8 and 9, 10, 11)

For the control system with the control device type A7-3741-10/2*****

Supply circuit.....Nominal voltage: 115 V a.c.
(Terminals 7, 8 and 9, 10, 11)

For the control system with the control device type A7-3741-10/4*****

Supply circuit.....Nominal voltage: 24 V d.c.
(Terminals 7, 8 and 9, 10, 11)

For 0 °C ≤ Ta ≤ +40 °C

Relay K2..... U_n = 253 V a.c., I ≤ 5 A,
(Terminals 4, 5) cos φ = 0.7

Relay K3..... U_n = 253 V a.c., I ≤ 5 A,
(Terminals 1, 2, 3) cos φ = 0.7

For 0 °C ≤ Ta ≤ +60 °C

Relay K2..... U_n = 253 V a.c., I ≤ 0.5 A,
(Terminals 4, 5) cos φ = 0.7

Relay K3..... U_n = 253 V a.c., I ≤ 0.5 A,
(Terminals 1, 2, 3) cos φ = 0.7

For all devices

Relay K1..... U_n = 253 V a.c., I ≤ 0.5 A,
(Terminals 5, 6) cos φ = 0.7

PE..... Potential equalisation
(Terminals 12, 13)

(16) Test documents are listed in the test report No. 09 204 553359.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones

Translation

1. S U P P L E M E N T

to Statement of Conformity No.	**TÜV 09 ATEX 553359**
Equipment:	Control system SILAS
Manufacturer:	BARTEC GmbH
Address:	Max-Eyth-Straße 16 97980 Bad Mergentheim Germany
Order number:	8000412026
Date of issue:	2012-09-13

Amendments:
The changes concern the pressure sensor, the lower limit of the ambient temperature range and the standards used for assessment.

The permissible ambient temperature range changes as follows:

Permissible ambient temperature range	Temperature class
-20 °C to +40 °C	T6
-20 °C to +60 °C	T4

Permissible temperature range of the protective gas: 0 °C to +40 °C

Permissible ambient temperature range: -20 °C to +80 °C
(pressure controller)

The maximum permissible limit of the ambient temperature for the control system, depending on the temperature class, has to be taken from the table above.

The all other technical data remain unchanged for this supplement.

The marking changes as follows:

⟨Ex⟩ **II 3 G Ex nA nC [pz] IIC T4 Gc resp. II 3 G Ex nA nC [pz] IIC T6 Gc and**
II 3 D Ex tc [p] IIIB T85 °C Dc

The equipment incl. of this supplement meets the requirements of these standards:

IEC 60079-0:2011 **EN 60079-2:2007** **EN 60079-15:2010**
EN 60079-31:2009 **EN 61241-4:2006**

(16) The test documents are listed in the test report No. 12 214 107886.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones

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The head of the certification body

Schwedt

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Translation

(1) Statement of Conformity

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**

(3) **Statement of Conformity Number:** **TÜV 09 ATEX 553359 X** **Issue:** 00

(4) for the product: Control system SILAS, Typ A7-3741-1**0/****

(5) of the manufacturer: BARTEC GmbH

(6) Address: Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany

Order number: 8000464556

Date of issue: 2016-11-28

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this Statement of Conformity and the documents therein referred to.

(8) The TÜV NORD CERT GmbH certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential ATEX Assessment Report No. 16 214 187976.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012 + A11:2013 **EN 60079-2:2014** **EN 60079-15:2010** **EN 60079-31:2014**
except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions for use specified in the schedule to this Statement of Conformity.

(11) This statement of conformity relates only to the design, examination and tests of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this Statement of Conformity.

(12) The marking of the product must include the following:

II 3 G Ex nA nC [pzc] IIC T4 Gc bzw. II 3 G Ex nA nC [pzc] IIC T6 Gc
II 3 D Ex tc [pzc] IIIB T85 °C Dc

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Andreas Meyer

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(13) SCHEDULE

(14) Statement of Conformity No. TÜV 09 ATEX 553359 X Issue 00

(15) Description of product

The control system SILAS is used as a control- and safety device for electrical equipment designed by the method of "Pressurisation with leakage compensation".
The control system consists of a control device type A7-3741-1**0/**** and a pressure controller type 17-51P3-1604/****. A pressurised device which is equipped with the control system has to be assessed as a pressurised apparatus. The pressure controller is only for the assembly with a device according to devices of group II, category 3 and will be protected against mechanical damage and ultraviolet light by installation.

Technical data

The maximum permissible ambient temperature for the control system, depending on the temperature class, has to be taken from the following table.

Permissible ambient temperature range	Temperature class
-20 °C to +40 °C	T6
-20 °C to +60 °C	T4

Permissible temperature range of the protective gas: 0 °C to +40 °C

Permissible ambient temperature range: -20 °C to +70 °C
(pressure controller)

For the control system with the control device type A7-3741-10/1*****

Supply circuit.....Nominal voltage: 230 V a.c.
(Terminals 7, 8 and 9, 10, 11)

For the control system with the control device type A7-3741-10/2*****

Supply circuit.....Nominal voltage: 115 V a.c.
(Terminals 7, 8 and 9, 10, 11)

For the control system with the control device type A7-3741-10/4*****

Supply circuit.....Nominal voltage: 24 V d.c.
(Terminals 7, 8 and 9, 10, 11)

For -20 °C ≤ Ta ≤ +40 °C

Relay K2..... U_n = 253 V a.c., I ≤ 5 A,
(Terminals 4, 5) cos φ = 0.7

Relay K3..... U_n = 253 V a.c., I ≤ 5 A,
(Terminals 1, 2, 3) cos φ = 0.7

Schedule to Statement of Conformity No. TÜV 09 ATEX 553359 X Issue 00

For -20 °C ≤ Ta ≤ +60 °C

Relay K2..... U_n = 253 V a.c., I ≤ 0.5 A,
(Terminals 4, 5) cos φ = 0.7

Relay K3..... U_n = 253 V a.c., I ≤ 0.5 A,
(Terminals 1, 2, 3) cos φ = 0.7

For all devices

Relay K1..... U_n = 253 V a.c., I ≤ 0.5 A,
(Terminals 5, 6) cos φ = 0.7

PE..... Potential equalisation
(Terminals 12, 13)

(16) Drawings and documents are listed in the ATEX Assessment Report No. 16 214 187976.

(17) Specific conditions of use

The control system SILAS must not be used in the presence of processes which are strongly generating charge.

(18) Essential Health and Safety Requirements

no additional ones

- End of Statement -