**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:** 01

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

(5) of the manufacturer: BARTEC GmbH

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

Order number: 8003043512

Date of issue: See signature date

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) TÜV NORD CERT GmbH certifies that the essential health and safety requirements for the design and construction of this product for use in potentially explosive atmospheres in accordance with Annex II of the Directive have been met. The examination and test results are recorded in the confidential Assessment Report No. 22 214 318809.

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

**EN IEC 60079-0:2018/AC:2020-02** **EN 60079-2:2014** **EN IEC 60079-7:2015/A1:2018**

**EN IEC 60079-15:2019** **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 the Specific Conditions for Use specified in the schedule to this certificate.

(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 shall include the following:

**II 3 G Ex ec nC [pzc] IIC T4 Gc resp. II 3 G Ex ec nC [pzc] IIC T6 Gc**
**II 3 D Ex tc [pzc] IIIB T135 °C Dc resp. II 3 D Ex tc [pzc] IIIB T85 °C Dc**

TÜV NORD CERT GmbH, Am TÜV 1, 45307 Essen, notified 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

Deputy Specialist Manager Explosion Protection

TÜVNORD

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

(14) **Statement of Conformity TÜV 09 ATEX 553359 X Issue 01**

(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/**** or type 17-51P3-1***/****.
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 damages 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 rsp. T85 °C |
| -20 °C to +60 °C | T4 rsp. T135 °C |

Permissible temperature range of the protective gas: 0 to +40 °C
Permissible ambient temperature range: -20 °C to +70 °C
(pressure controller)

**For the control system with the control device type A7-3741-1**0/1*****

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

**For the control system with the control device type A7-3741-1**0/2*****

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

**For the control system with the control device type A7-3741-1**0/4*****

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

**Schedule to Statement of Conformity TÜV 09 ATEX 553359 X Issue 01**

**For -20 °C ≤ Ta ≤ +40 °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 -20 °C ≤ Ta ≤ +60 °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 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)

Used certified components:

| Component | Manufacturer | Certificate Number | Marking Code |
|---|---|---|---|
| Bezel for measuring and indicating devices, type 8603/** | R. STAHL Schaltgeräte GmbH | IECEx_PTB_06.0083U_002<br><br>PTB 00 ATEX 3106 U | Ex eb IIC Gb<br>Ex tb IIIC Db<br><br>II 2 G Ex eb IIC Gb<br>III 2 D Ex tb IIIC Db |
| Polyester housing type 07-5184-****/**** and 07-5185-****/**** | BARTEC-Varnost d.o.o. | IECEx_PTB_09.0008U_007<br><br>PTB 08 ATEX 1062 U | Ex eb IIC Gb<br>Ex tb IIIC Db<br><br>II 2 G Ex eb IIC Gb<br>III 2 D Ex tb IIIC Db |
| Modular PCB terminal blocks type 236-***/***-***/999-950, 255-***/***-***/999-950, 256***/***-***/999-950 and 257-***/***-***/999-950 | WAGO Kontakttechnik GmbH & Co. KG | IECEx_PTB_06.0042U_003<br><br>PTB06ATEX1061U | Ex eb IIC Gb<br>Ex eb I Mb<br><br>II 2 G Ex eb IIC Gb<br>I M 2 Ex eb I Mb |

(16) Drawings and documents are listed in the Assessment Report No. 22 214 318809

(17)  Specific Conditions for Use

The device 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 of Conformity -