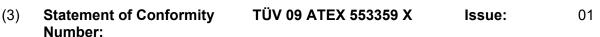


Translation

(1) Statement of Conformity

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



(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

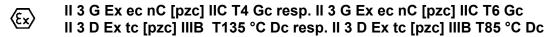
- (7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.
- (8) TÜV NORD CERT GmbH certifies that the essential health and safety requirements for the design and construction of this 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:



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

Hanover office, Am TÜV 1, 30519 Hannover, Tel. +49 511 998-61455, Fax +49 511 998-61590

This certificate may only be reproduced without any change, schedule included.



(13) SCHEDULE

(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 contro	l system	with the	control dev	vice type	A7-3741-	1**0/1***
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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)	•	

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

For $-20 \, ^{\circ}\text{C} \le \text{Ta} \le +40 \, ^{\circ}\text{C}$

Relay K2	$U_n =$	253 \	/ a.c.,	I	≤	0.5 A,
(Terminals 4, 5)	cos	0 = 0.7	7			

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

For $-20 \, ^{\circ}\text{C} \le \text{Ta} \le +60 \, ^{\circ}\text{C}$

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

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

For all devices

I	Relay K1	$U_n =$	253 V a.c.,	≤	0.5 A,
((Terminals 5, 6)	cos (p = 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	Ex eb IIC Gb Ex tb IIIC Db
0000/		PTB 00 ATEX 3106 U	II 2 G Ex eb IIC Gb 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	Ex eb IIC Gb Ex tb IIIC Db
,		PTB 08 ATEX 1062 U	II 2 G Ex eb IIC Gb III 2 D Ex tb IIIC Db
Modular PCB terminal blocks type 236-***/**- ***/999-950, 255-***/**-	WAGO Kontakttechnik GmbH & Co. KG	IECEx_PTB_06.0042U_003	Ex eb IIC Gb Ex eb I Mb
/999-950, 256/***- ***/999-950 and 257-***/ ***-***/999-950		PTB06ATEX1061U	II 2 G Ex eb IIC Gb I M 2 Ex eb I Mb

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



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

(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 -

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