



1 **UNITED KINGDOM CONFORMITY ASSESSMENT**
TYPE EXAMINATION CERTIFICATE
2 **Product or Protective System Intended for use in Potentially Explosive Atmospheres**

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Type Examination Certificate No.: **TÜV 21 UKEX 7037** Issue: **00**
4 Product: **Ex ec Control Panel**
7145/5*-**_****_****_***
5 Manufacturer: **R. STAHL Schaltgeräte GmbH**
6 Address: **Am Bahnhof 30**
74638 Waldenburg, Germany

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 TÜV Rheinland UK Ltd, Approved Body number 2571, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report 557 / UKEx 7037.00 / 21.

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

EN IEC 60079-0:2018	EN 60079-1:2014	EN 60079-5:2015
EN IEC 60079-7:2015 / A1:2018	EN 60079-11:2012	EN 60079-15:2019
EN 60079-18:2015 / A1: 2017	EN 60079-28:2015	

Except in respect of those requirements listed at section 18 of the schedule to this certificate.

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

11 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall include the following:



II 3 G Ex ec * IIC, IIB, IIA T6, T5, T4, T3 Gc

***See marking**

This certificate and its schedules may only be reproduced in its entirety and without change.

TÜV Rheinland UK Ltd

Solihull, 2022-03-14

Dipl.-Ing. Klauspeter Graffi

This Type Examination Certificate without signature shall not be valid. Alterations are subject to approval by TÜV Rheinland UK Ltd, 1011 Stratford Road, Shirley, Solihull, B90 4BN, Tel. +44 (0) 121 7969400
A accredited certification body



15 Description of Product

Ex ec Control Panel 7145/5*-****-****-****-*

The Ex ec Control Panel type 7145/5*-****-****-****-* is an electrical equipment for use in hazardous areas of zone 2. The Ex ec Control Panel consists of separately certified enclosures made of steel, stainless steel or moulded materials and of separately certified switching, control and measurement devices as well as terminals for intrinsically safe and non-intrinsically safe circuits and if needed they can be fitted with actuator attachments, indicator lights and lens.

The enclosures area for intrinsically safe circuits is identified, e.g. with a light blue color.

The connection is via ex-protected cable and gland entries.

Several enclosures can be combined; if necessary, they can be provided with flanges.

Technical data

		Type 7145/5	*	**	**	**	**	*
			**	**	**	**	**	*
Series								
Assembly	Ex ec Control Panel = 5							
	Steel = 1							
Material	Stainless Steel 1.4404 =							
	2							
	Moulded material = 3							
	Stainless Steel 1.4301 =							
	4							
Width	Combination = 0000							
	100 mm = 0100							
	to							
	3500 mm = 3500							
High	Combination= 0000							
	100 mm = 0100							
	to							
	2200 mm = 2200							
Depth	Combination = 0000							
	60 mm = 0060							
	to							
	1000 mm = 1000							
Further details without reference to explosion protection, to be filled when needed								

- 13 SCHEDULE TO TYPE EXAMINATION CERTIFICATE
 14 CERTIFICATE NUMBER TÜV 21 UKEX 7037

The Electrical Data results from the components used in individual cases.

Rated voltage: max. 1000 V

Rated current: max. 630 A

Rated cross-section: max. 300 mm²

Ambient temperature: -60 °C ≤ Ta ≤ +65 °C

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. The composition of the protection marking depends on the equipment that is actually used.

The ambient temperature is determined by the temperature that is accepted for the used enclosure and installed components.

Marking

* Optional and additional marking, depending on the equipment used:

db = for separately certified equipment with "db"

dc = for separately certified equipment with "dc"

eb = for separately certified equipment with "eb"

ec = for separately certified equipment with "ec"

q = for separately certified equipment with "q"

ma = for separately certified equipment with "ma"

mb = for separately certified equipment with "mb"

mc = for separately certified equipment with "mc"

ia = for separately certified equipment with "ia"

[ia Ga] = for separately certified equipment with "[ia Ga]"

ib = for separately certified equipment with "ib"

[ib Gb] = for separately certified equipment with "[ib Gb]"

ic = for separately certified equipment with "ic"

[ic Gc] = for separately certified equipment with "[ic Gc]"

nC = for separately certified equipment with "nC"

[op is] = for separately certified equipment with "[op is]"

[op pr] = for separately certified equipment with "[op pr]"

[op sh] = for separately certified equipment with "[op sh]"

- 16 Test report No. (associated with this certificate issue): 557 / UKEx 7037.00 / 21

17 Specific Conditions of Use

None

18 Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

19 Drawings and Documents

Reg. no.	Document title:	Document no.:	Rev.:	Date:
	Compliance drawings pack	Multiple drawings	0	02/2022
	*UKCA DoC	7145 6 002 006 0	00	03.02.2022
	*Marking	7145 0 000 006 0	08	04.02.2022
	*Operation instruction	7145 0 000 013 0	02	04.02.2022