



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX PTB 07.0029** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2013-06-07\)](#)
Date of Issue: 2022-05-04 [Issue 1 \(2010-06-01\)](#)
[Issue 0 \(2007-06-04\)](#)
Applicant: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany
Equipment: **Control Panel type 8265/5*(-*)**
Optional accessory:
Type of Protection: **Flameproof enclosure "d", Increased Safety "e", Intrinsic Safety "i", Protection by enclosure "t"**
Marking: Ex db eb ia [ia Ga] ib IIC T6...T4 Gb
Ex tb IIIC T 80 °C, T 95 °C, T 130 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Detlev Markus

Position:

Head of Department "Explosion Protection in Energy Technology"

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany





IECEX Certificate of Conformity

Certificate No.: **IECEX PTB 07.0029**

Page 2 of 4

Date of issue: 2022-05-04

Issue No: 3

Manufacturer: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

Manufacturing locations: **R. STAHL Schaltgeräte GmbH**
Am Bahnhof 30
74638 Waldenburg
Germany

**Electromach b.v., Member of the
R.STAHL Technology Group**
Jan Tinbergenstraat 193
7559 SP Hengelo
Netherlands

R. STAHL (P) LTD., Plot No.-5
Malrosapuram Road
Sengundram Indl. Area
Singaperumal Koil, Kanacheepuram
Dist.
Talmilnadu - 603204
India

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-31:2022-01](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/PTB/ExTR10.0034/02](#)

Quality Assessment Report:

[DE/BVS/QAR10.0002/17](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX PTB 07.0029**

Page 3 of 4

Date of issue: 2022-05-04

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description of equipment

The control panel type 8265/5*(-*) is made of a separately certified enclosure in the type of protection Flameproof Enclosure "db" and Protection by Enclosure "tb" out of aluminium with threaded joint cover.

The control panel can be combined with terminal boxes in type of protection Increased Safety "eb" and Protection by Enclosure "tb". Connection is made by means of Ex d cable entries, Ex d conduit entries, Ex d bushings or other suitable entry devices, certified and suitable for the application. The cover and walls of the explosion-proof enclosure can be equipped with flameproof built-in control axles, for example coupler, lock, control bushing or axle bushing and inspection window.

For more information see annex.

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No.: **IECEX PTB 07.0029**

Page 4 of 4

Date of issue: 2022-05-04

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- 1) Additional Ex components added to list of components
- 2) Standard update to latest IEC standards
- 3) New Certification Instruction

Annex:

[COCA070029-03.pdf](#)



Applicant: R. STAHL Schaltgeräte GmbH
Am Bahnhof 30
74638 Waldenburg
Germany

Electrical Apparatus: Control Panel
Type 8265/5*(-*)

Description

The control panel type 8265/5*(-*) is made of a separately certified enclosure in the type of protection Flameproof Enclosure "db" and Protection by Enclosure "tb" out of aluminium with threaded joint cover.

The control panel can be combined with terminal boxes in type of protection Increased Safety "eb" and Protection by Enclosure "tb". Connection is made by means of Ex d cable entries, Ex d conduit entries, Ex d bushings or other suitable entry devices, certified and suitable for the application. The cover and walls of the explosion-proof enclosure can be equipped with flameproof built-in control axles, for example coupler, lock, control bushing or axle bushing and inspection window.

Nomenclature

8265	/	5	*	(-*)
1	/	2	3	4

- 1) type series
- 2) design
5 = control panel
- 3) enclosure size (L x W x H)
1 = 125 x 125 x 132 mm
2 = 155 x 155 x 132 mm
3 = 195 x 195 x 172 mm
4 = 236 x 236 x 227 mm
5 = 285 x 285 x 230 mm
6 = 335 x 335 x 281 mm
- 4) Additional parameters that do not affect the explosion protection of devices.
(-*) May contain additional digits or characters, including "-", "/" or ". ".



Technical data:

Rated insulation voltage	max.	690V	1.000 V	11.000 V
Rated current	max.	250 A		
Rated cross section	max.	120 mm ²		
Ambient temperature range	°C	-60 °C to +60 °C		

Ingress protection according to IEC 60079-0, IEC 60079-7 and IEC 60079-31:
depends on the assembled Ex components or Ex equipments

The rated values are maximum values, the actual electrical values depend on the electrical equipment incorporated. Within the scope of these maximum permissible values and with due regard to the standards, the manufacturer specifies the final rated values dependent on the system conditions, mode of operation, utilization category, etc. The characteristic values of the intrinsically safe circuits are to be given by the manufacturer on his own responsibility.

The maximum permissible ambient temperature range of the control and distribution box can be limited by the maximum permissible service temperature ranges of the separately certified components.

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

The control panel may be combined with each other and/or with terminal boxes designed to type of protection Increased Safety "eb" and Protection by Enclosure "tb".

Notes for manufacturing and operation

Components attached or installed have to be of a technical standard that complies with the specifications on the cover sheet. They must be suited for the operating conditions and have a separate examination certificate. The special conditions specified for the components must be complied with and may have to be included in the type test. This also applies to components already specified in the technical description.

In order to ensure the ingress protection IP, the cover of the empty enclosure, the flange enclosure, the sealing frame and other Ex-components must be properly installed and with the appropriate torque.

Equipment of the type of protection intrinsic safety "i" is to be installed in such a way that the distances, creepage distances and clearances between intrinsically safe circuits and non-intrinsically safe circuits comply with the requirements of IEC 60079-11.

When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.



When components are installed into the empty enclosure, clearance and creepage distances specified in the standard IEC 60079-7 and IEC 60079-11 shall duly be complied with.

The control and distribution box with a coating of polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.