



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:

IECEx PTB 06.0010U

issue No.:2

Certificate history:

Issue No. 2 (2015-1-9)

Issue No. 1 (2013-3-15)

Issue No. 0 (2006-2-23)

Status:

Current

Date of Issue:

2015-01-09

Page 1 of 4

Applicant:

R. STAHL Schaltgeräte GmbH

Am Bahnhof 30
74638 Waldenburg
Germany

Electrical Apparatus:
Optional accessory:

Control Switch / Load Disconnect Switch type 8008/2-**_****

Type of Protection:

Flameproof enclosure "d", Increased Safety "e"

Marking:

Ex d e IIC Gb
and
Ex d e I Mb

Approved for issue on behalf of the IECEx
Certification Body:

Dr. Ing. D. Markus

Position:

Head of ot Working Group Flame Transmission Processes

Signature:
(for printed version)

Date:

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 the Official IECEx Website.

Certificate issued by:

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

de_ptb.gif



IECEx Certificate of Conformity

Certificate No.: IECEx PTB 06.0010U

Date of Issue: **2015-01-09**

Issue No.: **2**

Page 2 of 4

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

Additional Manufacturing location
(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition: 4

*This Certificate **does not** indicate compliance with electrical 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/ExTR06.0013/01

Quality Assessment Report:

DE/BVS/QAR10.0002/03



IECEx Certificate of Conformity

Certificate No.: IECEx PTB 06.0010U

Date of Issue: 2015-01-09

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The flameproof encapsulated control switch or load disconnect switch series 8008/2 serves for switching of electrical and electronic components used to control, switch, regulate and monitor electrical machines and systems. The device is intended for installation in the enclosures or control panels with type of protection Increased Safety "e" for use in hazardous areas.

Further information see Annex.

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx PTB 06.0010U

Date of Issue: **2015-01-09**

Issue No.: **2**

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

- 1) Minimum ambient temperature is decreased to -60 °C
- 2) Maximum service temperature is increased up to +80 °C
- 3) New test according to IEC 60079-0: 2011 (Ed. 6), IEC 60079-1: 2007 (Ed. 6), IEC 60079-7: 2006 (Ed. 4)
- 4) New marking

Annex: COCA060010U-02.pdf



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

Electrical Apparatus: Control Switch / Load Disconnect Switch type 8008/2-****-**

Description

The flameproof encapsulated control switch or load disconnect switch series 8008/2 serves for switching of electrical and electronic components used to control, switch, regulate and monitor electrical machines and systems. The device is intended for installation in the enclosures or control panels with type of protection Increased Safety "e" for use in hazardous areas.

Nomenclature

8008	/	2	-	*	***-**
1	/	2	-	3	4

- 1) type series
- 2) version 2 = 2
- 3) design
0 = 1 or 2 pole control switch
1 = 3 or 4 pole control switch
6 = 3 or 4 pole switch-disconnector
- 4) additional information without reference to explosion-protection

Technical data

Specification

Rated voltage: up to 690 VAC / 220 VDC
Rated current: up to 16 A
Rated impulse voltage: 6 kV

Rated service temperature range: -60 °C to +80 °C

Rated Limits

Type	AC Rating			
	Utilization category	690 V	500 V	415 V
8008/2-0...	AC-1	16 A	./.	./.
8008/2-1...	AC-3	4 A	8 A	./.
	AC-15	-	-	16 A
8008/2-6...	AC-3	16 A	./.	./.



Type	DC Rating					
	Utilization category	230 V	220 V	110 V	60 V	24 V
8008/2-0...	DC-1	-	6 A	6 A	6 A	10 A
8008/2-1...	DC-13	0.4 A	-	-	-	-
8008/2-6...	notes	L/R = 300 ms	3 poles	2 poles	1 pole	1 pole

Notes for manufacturing and operation

The Control Switch/Switch-Disconnecter shall be fitted in an enclosure that meets the requirements of an approved type of protection in accordance with IEC 60079-0, section 1.

When installing the Control Switch/Switch-Disconnecter in an enclosure designed to type of protection Increased Safety “e” as specified in IEC 60079-7, the clearance and creepage distances shown in section 4.4, section 4.5, and table 1 shall duly be considered.