Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

PTB

(1) # EC-TYPE-EXAMINATION CERTIFICATE

(Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**

(3) EC-type-examination Certificate Number:

PTB 03 ATEX 1177

(4) Equipment: Control and distributor box, type 8126/52..-.-

(5) Manufacturer: R. STAHL Schaltgeräte GmbH

(6) Address: Am Bahnhof 30, 74638 Waldenburg (Württ.), Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 03-13255.

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

EN 50014:1997 + A1 + A2	**EN 50017:1998**	**EN 50018:2000**
EN 50019:2000	**EN 50020:2002**	**EN 50028:1987**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:

II 2 G EEx edmq ia/ib [ia/ib] IIA, IIB, IIC T6, T5 or T4

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, September 25, 2003

Dr.-Ing. U. Klausmeyer
Regierungsdirektor

(13) # SCHEDULE

(14) ## EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1177

(15) Description of equipment

The control and distributor box of type ~~8135/5.....~~ 8126/52..-.-. consists of an enclosure made from polyester, which is designed to Increased Safety "e" type of protection. It is to accommodate switch and control gear, measuring instruments, as well as terminals for intrinsically safe and non-intrinsically safe circuits. Where required it may be fitted with actuator elements and pilot lamps.

The box section for intrinsically safe circuits will be identified, e.g. by a light-blue colour.

Connection is by means of explosion-proof cable entries.

All the internally and externally fitted elements are tested and certified under separate examination certificates.

Technical data

Rated voltage:*	up to	1100 V
Rated current:*	max.	630 A
Rated cross section:*	max.	240 mm^2

*) depending on the type of terminal and explosion-proof elements used

Ambient temperature range: ..... -20 °C to +55 °C

The ratings specified are maximum values; actual values will be subject to the electrical equipment installed from case to case. Depending on the system conditions, the mode of operation, the utilisation category, etc., the manufacturer will define the definitive ratings which will be within the range of these limiting values and will comply with the relevant standards.

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

(16) Test report PTB Ex 03-13255

(17) Special conditions for safe use

None

Notes for manufacturing and operation

Equipment of Intrinsic Safety "i" type of protection shall be installed in such a way that the clearance and creepage distances that are required according to EN 60079-14 between intrinsically safe and non-intrinsically safe circuits are duly considered.

If the clearance requirements specified in EN 50020, section 6.3, are not complied with, terminals and wiring that meets the quality criteria Increased Safety "e" shall also be used for the intrinsically safe circuits.

When connecting more than one intrinsically safe circuit, the rules and regulations for interconnection shall duly be observed.

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, September 25, 2003

Dr.-Ing. U. Klausmeyer
Regierungsdirektor

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

1st SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1177

(Translation)

Equipment: Control and distribution box, type 8126/52..-.-.

Marking: ⟨Ex⟩ **II 2 G EEx edmq ia/ib [ia/ib] IIA, IIB, IIC T6, T5 and T4**

Manufacturer: R. STAHL Schaltgeräte GmbH

Address: Am Bahnhof 30, 74638 Waldenburg (Württ.), Germany

Description of supplements and modifications

The control and distribution box, type 8126/52..-.-., with polyester enclosure, may also be employed in areas in which a potentially explosive atmosphere as a mixture of dust and air can occasionally form.

The control and distribution box has been re-inspected on the basis of Standards EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-11, EN 60079-18.

The marking will thus change to:

⟨Ex⟩ **II 2 G Ex de ia/ib [ia/ib] mq IIA, IIB, IIC T6, T5, T4**

⟨Ex⟩ **II 2 D Ex tD A21 IP6X T 80°C,T 95 °C, T 130 °C**

Technical data

Rated voltage:*	up to	1100 V
Rated current:*	max.	630 A
Rated cross section:*	max.	240 mm^2

*) subject to type of terminal and Ex components used

Ambient temperature range: ..... -20 °C to +55 °C

Protection against contact, foreign bodies and water: ..... IP65 in compliance with EN 60529 as a minimum

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 symbol will be based on the types of protection of components actually used.

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

1st SUPPLEMENT TO EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1177

Applied standards

EN 60079-0:2004	**EN 60079-1:2004**	**EN 60079-7:2003**	**EN 60079-11:2007**
EN 60079-18:2004	**EN 61241-0:2004**	**EN 61241-1:2004**	

Test report: PTB Ex 07-17096

Zertifizierungsstelle Explosionsschutz
By order:

Braunschweig, April 16, 2007

Dr.-Ing. W. Theilens
Oberregierungsrat

EG-Konformitätserklärung
EC-Declaration of Conformity
Déclaration de Conformité CE

Wir; *we; nous*

R. STAHL Schaltgeräte GmbH, Am Bahnhof 30, 74638 Waldenburg, Germany

8126/52..

erklären in alleiniger Verantwortung, dass das Produkt
hereby declare in our sole responsibility, that the product
déclarons, sous notre seule responsabilité, que le produit

Steuer- und Verteilerkasten
Control and distribution box
Boîte de commande et de distribution

mit der **EG-Baumusterprüfbescheinigung:**
under *EC-Type Examination Certificate:*
avec *Attestation d'examen CE de type:*

PTB 03 ATEX 1177
(Physikalisch-Technische Bundesanstalt
Bundesallee 100, D 38116 Braunschweig)

auf das sich diese Erklärung bezieht, mit den folgenden Normen oder normativen Dokumenten übereinstimmt
which is the subject of this declaration, is in conformity with the following standards or normative documents
auquel cette déclaration se rapporte, est conforme aux normes ou aux documents normatifs suivants

Bestimmungen der Richtlinie *Terms of the directive* *Prescription de la directive*	**Nummer sowie Ausgabedatum der Norm** *Number and date of issue of the standard* *Numéro ainsi que date d'émission de la norme*
94/9/EG: **ATEX-Richtlinie** *94/9/EC:* *ATEX Directive* *94/9/CE:* *Directive ATEX*	EN 60079-0: 2006 EN 60079-1: 2007 EN 60079-7: 2007 EN 60079-11: 2007 EN 60079-18: 2004 EN 61241-0: 2006 EN 61241-1: 2004
2004/108/EG: **EMV-Richtlinie** *2004/108/EC:* *EMC Directive* *2004/108/CE:* *Directive CEM*	
Allgemeine Normen ohne Bezug auf eine Richtlinie *General standards without reference to a directive* *Normes générales sans référence à une directive*	EN 60947-1: 2007 EN 60439-1: 1999 + A1: 2004

Waldenburg, 20. Juli 2010

Ort und Datum
Place and date
Lieu et date

i.V.

B. Limbacher
Leiter Entwicklung
Head of Development
Directeur Développement

i.V.

Dr. S. Jung
Leiter Qualitätsmanagement
Director Quality Management Dept.
Directeur Dép. Assurance de Qualité