



(1) **EC- TYPE- EXAMINATION CERTIFICATE**

(2) Equipment and protective systems intended for use in potential explosive Atmospheres – **Directive 94/9/EC**

(3) EC- type- examination Certificate number



**PTB 99 ATEX 2091**

(4) Equipment: Disconnector unit type SR852  
(5) Manufacturer: Gönzheimer Elektronik GmbH  
(6) Address: D- 67433 Neustadt an der Weinstraße  
Dr.-Julius-Leberstr. 2

(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 March 1994, certifies that 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 potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report No. PTB Ex 99-29044

(9) Compliance with to essential Health and Safety Requirements has been assured by compliance with:

EN 50 014:1997 General directives  
EN 50 019:1994 Increased Safety 'e'  
EN 50 028:1987 Moulding 'm'

(10) If the sign "X" is places 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 and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

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

 **II 2 G EEx em II T6**

Zertifizierungsstelle Explosionsschutz  
In behalf

Braunschweig, June 22 1999

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Dr. Ing U. Johannsmeyer  
Regierungsdirektor

(13) Annex to

(14) **to EC- TYPE- EXAMINATION CERTIFICATE No.**

**PTB 99 ATEX 2091**

(15) Description of equipment

The disconnecter unit type SR852 serves to disconnect non intrinsically safe interface signals. It works together with a pressurized enclosure system. The 8 respectively 16 relay contacts open, if the control input voltage falls.

Electrical details

Mains (Terminals 9/19 and 10/20)	AC: 230 V, 220 V, 120 V, 110 V, 24 V DC: 24 V
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Relay contacts (Terminals 1 up to 8 11 up to 18 21 up to 28 31 up to 38)	AC: 250 V / 3 A DC: 30 V / 3 A
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(16) Test report PTB Ex 99-29044

(17) Special conditions

None

(18) Basic safety and health requests

Accomplished through the norms named above

Zertifizierungsstelle Explosionsschutz  
In behalf

Braunschweig, June 22 1999

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Dr. Ing U. Johannsmeyer  
Regierungsdirektor


## 1.Amendment

completion according to the guideline 94/9/EC addition III digit 6

### to EC- TYPE- EXAMINATION CERTIFICATE

#### PTB 99 ATEX 2091

Equipment: Disconnecter unit type SR852

Marking:  II 2 G EEx em II T6

Manufacturer: Gönzheimer Elektronik GmbH

Address: Dr. Julius Leber-Str. 2, 67433 Neustadt/Weinstraße, Deutschland

#### Description of additions and changes

The disconnecter unit type SR852 could be used in ambient temperatures of 70°C fulfilling the temperature class T4. The disconnecter unit type SR852 could be used in areas with causally appearance of explosive atmospheres of dust / air mixtures.

The new marking is:

 II 2 G EEx em II T6 for -20°C up to 40°C or II 2 G EEx em II T4 for -20°C up to 70°C

 II 2 D Ex tD A21 IP65 T80°C for Ta = 40°C or II 2 D Ex tD A21 IP65 T130°C for Ta = 70°C

#### Applied norms:

**EN 61241-0:2004**

**EN 61241-1:2005**

Examination certificate: PTB Ex 05-25223

Zertifizierungsstelle Explosionsschutz  
In behalf

Braunschweig, October 20 2005

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Dipl. Ing M. Krämer