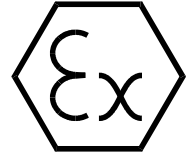




(1) **EC- TYPE- EXAMINATION CERTIFICATE**
(Translation)

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

(3) EC- type- examination Certificate number



TÜV 02 ATEX 1824

(4) Equipment: Disconnector unit type SR853...

(5) Manufacturer: Gönzheimer Elektronik GmbH

(6) Address: D-Neustadt/Weinstraße, Dr. Julius Leber-Str. 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 TÜV Hannover/Sachsen-Anhalt e.V., TÜV CERT-Zertifizierungsstelle, notified body No. 0032 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. 01 PX 07210

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

EN 50 014:1997 EN 50 017:1998 EN 50 019:2000

(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 e q II T4**

TÜV Hannover/Sachsen-Anhalt e.V.
TÜV CERT-Zertifizierungsstelle
Am TÜV 1
D-30519 Hannover

Hannover,03.07.2002



Der Leiter



(13)

SCHEDULE

(14)

EC- TYPE-Examination CERTIFICATE No. TÜV 02 ATEX 1824

(15)

Description of equipment

The disconnecter unit type SR853... serves to disconnect non intrinsically safe interface signals. It works together with a pressurized enclosure system. The powder filled enclosure must be mounted in a certified enclosure with protection type increased safety.

The maximum ambient temperature is 60°C.

Electrical details

Supply circuit (Terminal 1,8 to 2, 9)	U ≤ 230 V AC, resp. 24 V DC, acc. to declaration U _m = 253 V , I _m = 16 A
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Relay contacts (Terminals 4 ..7, 11 ..14)		AC	DC
	U	≤ 420 V	≤ 28 V
	I	≤ 16 A	≤ 16 A
	Power	≤ 4000 VA (cos φ=0,7)	---

(16)

Report No. 02 YEX 162744

(17)

Special conditions for safe area

None

(18)

Essential health and safety requirements

No additional

Translation

1. SUPPLEMENT

to Certificate No.

Equipment:
 Manufacturer:
 Address:

TÜV 02 ATEX 1824

Leistungsrelais Typ SR 853.8.x.x
 Gönzheimer Elektronik GmbH
 Dr.-Julius-Leber-Str.2
 67433 Neustadt/Weinstraße
 8000435442
 2014-09-23

Order number:
 Date of issue:

In the future, the interface relay type SR853... (new designation: Power relay type SR 853.8.x.x) may be manufactured and operated according to the test documents listed in the test report.

The changes refer to

- the execution of the terminals,
- the components at the electronics pc board,
- the ambient temperature range,
- the electrical data,
- the execution for dust explosion protection and
- the "Special conditions for safe use"

The power relay type SR 853.8.x.x is used for the electrical separation of non intrinsically safe circuits (supply and contact circuits). In each of the relay load circuits, there are 2 relay contacts connected in series.

Permissible ambient temperature ranges:

Type SR 853.8.x.0: -20 °C ... +50 °C with load switch-on current 30 A/4 s and 80 A/20 ms

Type SR 853.8.x.1: -20 °C ... +70 °C with load switch-on current 30 A/4 s

Electrical data

Supply circuit	24 V a. c. / d. c.
(Terminals	230 V a. c., 48 ... 62 Hz
L: 2, 25	ca. 5 W
N: 3, 24	
PE: 1, 26)	
Relay load circuits	400 V a. c. / 16 A / cos φ ca. 1 / 4000 VA
(Terminals	24 V d. c. / 16 A / resistive load
L1: 8, 9; 18, 19	
L2: 6, 7; 20, 21	
L3: 4, 5; 22, 23	
N: 10, 11; 16, 17	
PE: 12, 13, 14, 15)	

The max. cross section area of the connection wires is 6 mm².

Marking of the test object:



II 2 G Ex e q IIC T4 Gb bzw. Ex eb qb IIC T4
 II 2 D Ex tb IIIC T108°C Db bzw. Ex tb IIIC T108°C

1. Supplement to Certificate No. TÜV 02 ATEX 1824

The equipment incl. of this supplement meets the requirements of these standards:

EN 60079-0:2012
EN 60079-31:2009

EN 60079-5:2007

EN 60079-7:2007

(16) The test documents are listed in the test report No. 14 203 142830.

(17) Special conditions for safe use

1. The cables have to be installed fixed.
2. Type SR 853.8.1.x and SR 853.8.2.x: The apparatus has to be installed in a housing certified according to IEC 60079-0 and IEC 60079-7, that meets the requirements of degree of protection IP54. The types SR 853.8.1.x and SR 853.8.2.x are not allowed to be operated in explosion hazardous areas caused by dust.

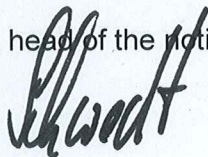
According to IEC 60079-0, 29.3 e), an advisory marking is available on the label.

(18) Essential Health and Safety Requirements

no additional ones

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body



Schwedt

Hanover office, Am TÜV 1, 30519 Hannover, Tel.: +49 (0) 511 986-1455, Fax: +49 (0) 511 986-1590