

Translation

EU-Type Examination Certificate

Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 17 ATEX E 016 X**

Product: **Disconnecter type SR852.x.x**

Manufacturer: **Gönnheimer Elektronik GmbH**

Address: **Dr.-Julius-Leber-Str. 2, 67433 Neustadt an der Weinstraße, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA EXAM GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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 No. BVS PP 17.2023 EU.

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

EN 60079-0:2012 + A11:2013	General requirements
EN 60079-7:2015	Increased Safety "e"
EN 60079-18:2015	Encapsulation "m"
EN 60079-31:2014	Protection by Enclosure "t"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex eb mb IIC T* Gb** ***see Parameters**
II 2D Ex tb IIIC T* Db

DEKRA EXAM GmbH
Bochum, 2017-02-08

Signed: Dr. Franz Eickhoff

Certifier

Signed: Dr. Michael Wittler

Approver

13 **Appendix**

14 **EU-Type Examination Certificate**

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15 **Product description**

15.1 **Subject and type**

Disconnecter type SR852.x.x

0	8 Relay contacts
1	16 Relay contacts
0	Supply voltage 110 VDC – 230 VDC
6	Supply voltage 24 V AC/DC

15.2 **Description**

The disconnector unit SR852 is designed to separate non-intrinsically safe connections in combination with a purging system. The purge system controls the SR852. When the purge system detects a fault, the power to the SR852 will be switched off and the SR852 will disconnect external signals from the Ex p cabinet.

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Empty enclosure type AL-KE 25.*** ** *	PTB 98 ATEX 3101 U	EN 60079-0:2009 EN 60079-7:2007 EN 60079-31:2009
Empty enclosure type MBA...Ex	IBExU 10 ATEX 1158 U	EN 60079-0:2012 EN 60079-7:2007 EN 60079-31:2009
Empty enclosure type HALPEX	IBExU 14 ATEX 1127 U	EN 60079-0:2012 EN 60079-7:2007 EN 60079-31:2009
Terminal Blocks Types FRONT 2,5-H/...-EX and FRONT 2,5-V/...-EX	KEMA 00 ATEX 2053 U	EN 60079-0:2012 +A11:2013 IEC 60079-7:2015

15.3 **Parameters**

15.3.1 **Electrical data**

Power supply:

Nominal voltage

up to 230 V AC
or 24 V AC/DC

Nominal power

2 W

Switching contacts:

Nominal voltage

up to 230 V AC

Nominal current

3 A

15.3.2 Thermal data

Ambient temperature range	Temperature class	Maximum surface temperature
$-20\text{ °C} \leq T_a \leq +40\text{ °C}$	T6	T80°C
$-20\text{ °C} \leq T_a \leq +70\text{ °C}$	T4	T130°C

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17 Special Conditions for Use

The empty enclosure with coating according to PTB 98 ATEX 3101 U 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.

18 Essential Health and Safety Requirements

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 Drawings and Documents

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
Bochum, dated 2017-02-08
BVS-Pe/Mu A 20160473



Certifier



Approver