



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 BVS 17.0006X

issue No.:0

Certificate history:

Status:

Current

Date of Issue:

2017-02-23

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Applicant:

Gönnheimer Elektronik GmbH
Dr.-Julius-Leber-Str. 2
67433 Neustadt an der Weinstraße
Germany

Equipment:

Disconnecter type SR852.x.x

Optional accessory:

Type of Protection:

Equipment protection by encapsulation "m", Equipment dust ignition protection by enclosure "t", Equipment protection by increased safety "e"

Marking:

Ex eb mb IIC T* Gb
Ex tb IIIC T* Db
*see Parameters

Approved for issue on behalf of the IECEx
Certification Body:

Dr Franz Eickhoff

Position:

Deputy Head of Certification Body

Signature:
(for printed version)

Date:

2017-02-23

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](http://www.iecex.com).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
DEKRA EXAM GmbH



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Manufacturer: **Gönnheimer Elektronik GmbH**
Dr.-Julius-Leber-Str. 2
67433 Neustadt an der Weinstraße
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 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-18 : 2014 Edition: 4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
IEC 60079-31 : 2013 Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition: 5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*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/BVS/ExTR17.0009/00](#)

Quality Assessment Report:

[DE/TUN/QAR10.0006/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Subject and Type

See Annex

Description

See Annex

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

The empty enclosure with coating according to IECEx PTB 08.0005U 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.



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Annex

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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

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.** ** *	IECEx PTB 08.0005U	IEC 60079-0:2011 IEC 60079-7:2015 IEC 60079-31:2013
Empty enclosure type MBA...Ex	IECEx IBE 14.0020U	IEC 60079-0:2011 IEC 60079-7:2006 IEC 60079-31:2013
Empty enclosure type HALPEX	IECEx IBE 14.0040U	IEC 60079-0:2011 IEC 60079-7:2006 IEC 60079-31:2013
Terminal Blocks Types FRONT 2,5-H/...-EX and FRONT 2,5-V/...-EX	IECEx KEM 07.0023U	IEC 60079-0:2011 IEC 60079-7:2015

¹ No applicable technical differences

² Technical differences evaluated and found satisfactory

Parameters

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



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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