

# 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	Page 1 of 3			
Applicant:	Gönnheimer Elektror DrJulius-Leber-Str. 2 67433 Neustadt an der \ Germany				
Equipment: Optional accessory:	Disconnector type SR8	352.x.x			
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:		2017-02-2	3		
This certificate and schedule may only be reproduced in full.     This certificate is not transferable and remains the property of the issuing body.     The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.					

Certificate issued by:

DEKRA EXAM GmbH Dinnendahlstrasse 9 44809 Bochum Germany





### **IECEx Certificate** of Conformity

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Manufacturer:

Gönnheimer Elektronic 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

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 co	vered by this certificate are as follows:	
Subject and Type		
See Annex		
Description		
See Annex		
Parameters		
See Annex		
SPECIFIC CONDITIONS C	OF USE: YES as shown below:	
producing processes, mec	coating according to IECEx PTB 08.000 hanical friction and separation processed the control of t	05U must not be used in areas affected by charge- es, electron emission (e.g. in the vicinity of electrostation
<i>y y</i>	,	

Annex: BVS\_17\_0006X\_Gönnheimer\_Annex.pdf



### of Conformity



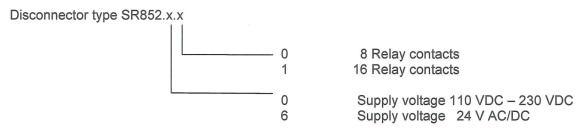
3 A

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**Subject and Type** 



### **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	IECEx PTB 08.0005U	IEC 60079-0:2011
AL-KE 25.** ** **		IEC 60079-7:2015
		IEC 60079-31:2013
Empty enclosure type MBAEx	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	IECEx KEM 07.0023U	IEC 60079-0:2011
FRONT 2,5-H/EX and		IEC 60079-7:2015
FRONT 2,5-V/EX		

No applicable technical differences

### **Parameters**

Electrical data

Power supply:

Nominal current

Nominal voltage

up to 230 V AC 24 V AC/DC

Nominal power

2 W

Switching contacts:

Nominal voltage

up to 230 V AC

Technical differences evaluated and found satisfactory



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Thermal data

Ambient temperature range	Temperature class	Maximum surface temperature
-20 °C ≤ T <sub>a</sub> ≤ +40 °C	T6	T80°C
-20 °C ≤ T <sub>a</sub> ≤ +70 °C	T4	T130°C