



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

Certificate No.: IECEx BVS 14.0079X issue No.:1

Status: **Current**

Date of Issue: **2015-12-16**

Applicant: **WAGO Kontakttechnik GmbH & Co. KG**  
Hansastr. 27  
32423 Minden  
Germany

Electrical Apparatus: **Module (mechanical relays, solid-state relays and optocoupler) type series 857**  
Optional accessory:

Type of Protection: **Equipment protection by type of protection "n"**

Marking: Ex nA nC IIC T4 Gc - Miniature switching relay  
Ex nA IIC T4 Gc - Solid-state relay, optocoupler

Approved for issue on behalf of the IECEx Certification Body: H.-Ch. Simanski

Position: Head of Certification Body

Signature:   
(for printed version)

Date: 16.12.2015

Certificate history:  
Issue No. 1 (2015-12-16)  
Issue No. 0 (2014-8-12)

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.

Certificate issued by:

**DEKRA EXAM GmbH**  
Dinnendahlstrasse 9  
44809 Bochum  
Germany

 **DEKRA**  
DEKRA EXAM GmbH



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Manufacturer: **WAGO Kontakttechnik GmbH & Co. KG**  
Hansastr. 27  
32423 Minden  
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** Explosive atmospheres - Part 0: General requirements  
Edition: 6.0

**IEC 60079-15 : 2010** Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition: 4

*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/ExTR14.0081/01

##### Quality Assessment Report:

DE/PTB/QAR06.0003/07



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Description

The modules series 857 are sockets installed by snapping onto a rail.

They are equipped with relays or optocouplers and used for galvanic separation of signal input and output. They are also used for adaption of different voltages and currents.

They have to be installed in an additional enclosure which is not part of this test report.

#### CONDITIONS OF CERTIFICATION: YES as shown below:

1. The enclosure (usually provided by the user or installer) shall be in accordance with all applicable clauses of IEC 60079-0 and IEC 60079-15. A minimum degree of protection IP 54 according to IEC 60529 shall be ensured.
2. The external earthing has to be established by installation.
3. Measures have to be taken outside of the device that the rating voltage is not being exceeded of more than 40% because of transient disturbance.
4. The permitted temperature range at the place of installation of the module: - 20 °C...+ 60 °C



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## EQUIPMENT(continued):

### Parameters

	Input	Output	permitted temperature range at the place of installation of the module
miniature switching relay			
857-303	DC 12 V	AC 250 V, 6 A	- 20 °C...+ 60 °C
857-304	DC 24 V	AC 250 V, 6 A	
857-314	DC 24 V	AC 250 V, 6 A	
857-354	AC/DC 24 V	AC 250 V, 6 A	
857-364	AC/DC 24 V	AC 250 V, 6 A	
857-357	AC/DC 115 V	AC 250 V, 6 A	
857-367	AC/DC 115 V	AC 250 V, 6 A	
857-358	AC/DC 230 V	AC 250 V, 6 A	
857-368	AC/DC 230 V	AC 250 V, 6 A	
857-1330	AC/DC 24 V	AC 250 V, 4 A	
solid-state relay			
857-724	DC 24 V	DC 0... 24 V, 0.4 A	- 20 °C...+ 60 °C
857-727	AC/DC 115 V	DC 0... 24 V, 0.4 A	
857-728	AC/DC 230 V	DC 0... 24 V, 0.4 A	
857-704	DC 24 V	DC 0... 48 V, 0.1 A	
857-707	AC/DC 115 V	DC 0... 48 V, 0.1 A	
857-708	AC/DC 230 V	DC 0... 48 V, 0.1 A	
857-714	DC 24 V	AC 24...240 V, 0.25 A	
857-717	AC/DC 115 V	AC 24...240 V, 0.25 A	
857-718	AC/DC 230 V	AC 24...240 V, 0.25 A	
optocoupler			
857-1430	DC 24 V	DC 3...30 V, 3 A	- 20 °C...+ 60 °C



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

The reason for this supplement is the use of a different solid-state-relay and a resultant change of some of the electrical parameters.