

Translation

(1) **1st Supplement to the Type Examination Certificate**

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC
- (3) No. of Type Examination Certificate: **BVS 14 ATEX E 091 X**
- (4) Equipment: **Modules series 857**
(mechanical relays, solid-state relays and optocoupler)
- (5) Manufacturer: **WAGO Kontakttechnik GmbH & Co. KG**
- (6) Address: **Hansastr. 27, 32423 Minden, Germany**
- (7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this supplement.
- (8) The certification body of DEKRA EXAM GmbH certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in the Test and Assessment Report BVS PP 14.2176 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
EN 60079-0:2012 + A11:2013 General requirements
EN 60079-15:2010 Equipment protection by type of protection 'n'
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the appendix to this certificate.
- (11) This supplement to the Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

II 3G Ex nA nC IIC T4 Gc Miniature switching relay

II 3G Ex nA IIC T4 Gc Solid-state relay, Optocoupler

DEKRA EXAM GmbH
Bochum, dated 2015-12-14

Signed: Simanski

Signed: Dr. Eickhoff

Certification body

Special services unit

- (13) Appendix to
- (14) **1st Supplement to the Type Examination Certificate
BVS 14 ATEX E 091 X**
- (15) 15.1 Subject and type

Modules Serie 857 for details see 15.3 parameters

15.2 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.

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

15.3 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

(16) Test and Assessment Report

BVS PP 14.2176 EG as of 2015-12-14

(17) Special conditions for safe use

- 17.1 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.
- 17.2 The external earthing has to be established by installation.
- 17.3 Measures have to be taken outside of the device that the rating voltage is not being exceeded of more the 40% because of transient disturbance.
- 17.4 The permitted temperature range at the place of installation of the module - 20 °C... + 60 °C.

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
44809 Bochum, 2015-12-14
BVS-Hk/Nu A 20151202



Certification body



Special services unit