

## Certificate of Conformity

(1)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Certificate Number:

**EPS 17 ATEX 1 168 X**

**Revision 0**

(4) Equipment: Segment coupler SC11-3G

(5) Manufacturer: Hans Turck GmbH & Co. KG

(6) Address: Witzlebenstraße 7  
45472 Mülheim an der Ruhr  
Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this Certificate of Conformity and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 16TH0312.

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

**EN 60079-0:2012+A11:2013**


**EN 60079-7:2015**

**EN 60079-11:2012**

(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 schedule to this certificate.

(11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

 II 3G Ex ec ic IIC T4 Gc



Certification department of explosion protection

Nuremberg, 2018-09-18



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(13)

## Annexe

(14) **Certificate of Conformity EPS 17 ATEX 1 168 X**

Revision 0

(15) Description of equipment:

The device is intended exclusively for use in the industrial sector. The device operates as a repeater and regenerates the signal amplitude, edge slope and bit width of the data telegram. The device supports PROFIBUS-DP and Modbus RTU protocols. By interconnecting several segment couplers, line, system or slave redundancy can be realized.

Electrical data:

Supply voltage:	$U_{nom}$	= 24 VDC
Power consumption:	$P_{max}$	= 2.4 W
Profibus-DP:	$U_{nom}$	= 5.0 V
Link:	$U_{nom}$	= 3.3 V

Ambient temperature range:

$-40\text{ °C} \leq T_{amb} \leq +70\text{ °C}$

(16) Reference number: 16TH0312

(17) Schedule of Limitations:

When used in potentially explosive atmospheres, the device shall only be installed in an enclosure that provides a minimum protection of IP54 in accordance to EN 60079-0.

(18) Essential health and safety requirements:

Met by standards.

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Nuremberg, 2018-09-18



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