

CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **DEKRA 17ATEX0046 X** Issue Number: **0**

(4) Product: **Surge protective device DEHNconnect, Type DCO SD2 Series**

(5) Manufacturer: **DEHN + SOHNE GmbH + Co.KG.**

(6) Address: **Hans-Dehn-Strasse 1, 92318 Neumarkt, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. NL/DEK/ExTR17.0065/00.

(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**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

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



II 3 G

Ex ec IIC T6...T4 Gc

Date of certification: 18 May 2018

DEKRA Certification B.V.

A handwritten signature in blue ink, appearing to read 'L.G. van Schie', written over a horizontal line.

L.G. van Schie
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 17ATEX0046 X**

Issue No. **0**

(15) **Description**

The surge suppression device Type DEHNconnect DCO SD2 series, serves to limit occasional surge voltages in the connected circuits.

Ambient temperature range: -40 °C to +80 °C for temperature class T4 and T5
 -40 °C to +30 °C for temperature class T6.

Electrical data

Maximum electrical values in normal operation and foreseeable occurrences:

Type	U _{max} [V]	I _{max} [A]
DCO SD2 ME 12	14	0,5
DCO SD2 ME 24	33	
DCO SD2 ME 48	55	
DCO SD2 MD 12	14	
DCO SD2 MD 24	33	
DCO SD2 MD 48	55	
DCO SD2 MD HF 5	8,5	

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR17.0065/00.

(17) **Specific conditions of use**

The equipment shall only be used in an area of at least pollution degree 2, as defined in EN 60664-1.

The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with EN 60079-0, and that is suitable for the environment and correctly installed.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR17.0065/00.

(20) **Certificate history**

Issue 0 - 221652300 initial certificate