



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 DEK 17.0023X Issue No: 0 Certificate history:
Issue No. 0 (2018-05-18)

Status: **Current**

Date of Issue: **2018-05-18** Page 1 of 3

Applicant: **DEHN + SÖHNE GmbH + Co.KG.**
Hans-Dehn-Strasse 1, 92318 Neumarkt
Germany

Equipment: **Surge protective device DEHNconnect, Type DCO SD2 Series**
Optional accessory:

Type of Protection: **Ex ec**

Marking: Ex ec IIC T6...T4 Gc

*Approved for issue on behalf of the IECEx
Certification Body:*

L.G. van Schie

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

2018-05-18

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.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands





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Manufacturer: **DEHN + SÖHNE GmbH + Co.KG.**
Hans-Dehn-Strasse 1, 92318 Neumarkt
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 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 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5,0

*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:

[NL/DEK/ExTR17.0065/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0084/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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	

SPECIFIC CONDITIONS OF USE: YES as shown below:

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

The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with IEC 60079-0.