IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx TUR 22.0029X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2022-07-29		
Applicant:	**DEHN SE** Hans-Dehn-Strasse 1 Neumarkt 92318 **Germany**		
Equipment:	**Advanced Solid State Decoupler type DASD 45 LP 100 T**		
Optional accessory:			
Type of Protection:	**Ex ec IIC T4 Gc**		
Marking:	Ex ec IIC T4 Gc		

Approved for issue on behalf of the IECEx Certification Body: **Dipl. -Ing. Klauspeter Graffi**

Position: **Head of Certification Body**

Signature: (for printed version)

Date: (for printed version) 2022-07-29

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 www.iecex.com or use of this QR Code.

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

TÜVRheinland

IECEx Certificate of Conformity

Certificate No.: **IECEx TUR 22.0029X**

Issue No: 0

Date of issue: 2022-07-29

Manufacturer: **DEHN SE**
Hans-Dehn-Strasse 1
Neumarkt 92318
Germany

Manufacturing locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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/TUR/ExTR22.0029/00

Quality Assessment Report:

NL/DEK/QAR12.0084/05

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Advanced Solid State Decoupler type DASD 45 LP 100 T

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
2. **The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.**
3. The equipment shall be connected in compliance with IEC 60079-14 requirements.

Annex:

DE-IECEx_TUR_220029_X_00_Attachment_2016-07-06.pdf

Attachment to Certificate IECEx TUR 22.0029 X

Device: **Advanced Solid State Decoupler**
Type: **DASD 45 LP 100 T**

Manufacturer: **DEHN SE**

Address: **Hans-Dehn-Str. 1**
92318 Neumarkt, Germany

General product information:

Advanced Solid State Decoupler type DASD 45 LP 100 T

The Advanced Solid State Decoupler are designed for the installation and mounting in Zone 2 and can operate within an enclosures in accordance to IEC 60079-0.

Technical data

Electrical data:

Two connecting bolts
Voltage U = -2 VDC ... +1 VDC
Maximum temporary and transient voltage see manufacturer's instructions
Maximum temporary and transient current see manufacturer's instructions

The 4-pole test socket cannot be used within explosive atmosphere - see manufacturer's instructions.

Environmental data:

Ambient temperature range -40 °C ≤ Ta ≤ +60 °C

"Specific Conditions of Use" for Ex Equipment:

1. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
2. The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.
3. The environmental data must be taken into account – see technical data and the instructions.
4. The equipment shall be connected in compliance with IEC 60079-14 requirements.