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 22.0079X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2023-05-04

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

Equipment: **Surge protector type DG M TT 2P 275 xx and DG M TN 275 xx**

Optional accessory:

Type of Protection: **"ec"**

Marking: Ex ec IIC T4 Gc

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

Position: **Assigned certifier**

Signature:
(for printed version)

Date:
(for printed version) 2023-05-04

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

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Date of issue: 2023-05-04 Issue No: 0

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/ExTR22.0079/00

Quality Assessment Report:

NL/DEK/QAR12.0084/06

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Date of issue: 2023-05-04 Issue No: 0

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

Surge Protector DG M TT 2P 275 xx and DG M TN 275 xx

Details see DE-IECEx_TUR_22.0079_X_00_Attachment

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 environmental data must be taken into account – see electrical data above and the operating instructions.

4). Ambient temperature range -40 °C ≤ Ta ≤ +80 °C

Annex:

DE-IECEx_TUR_22.0079_X_00_Attachment.pdf

Attachment to Certificate IECEx TUR 22.0079 X

Device: **Surge Protector**
Type: **DG M TT 2P 275 xx and DG M TN 275 xx**

Manufacturer: **DEHN SE**
Address: **Hans-Dehn-Str. 1**
92318 Neumarkt, Gemany

General product information:

Type gesignation

Surge Protector DG M TT 2P 275 xx and DG M TN 275 xx

DG M	Tx xx	275	xx
	1	2	3

1	TN, TT 2p = Network configuration
2	275 = highest permissible system voltage in V
3	FM = optional for variant with remote contact

Description

The surge protectors DG M TT 2P 275 xx and DG M TN 275 xx are used in circuits to protect the connected equipment from high-energy transient over voltages.

The surge protectors are intended for the following applications:

The modular 2-pole surge protection devices are used for equipment protection in electrical power systems in circuits with increased safety in zone 2.

The DG M TT 2P 275 xx and DG M TN 275 xx are modular surge protective devices consists of a base part and two plug-in protection modules.

Following parts are existent

Base part	Modules
DG M TN 275 (FM)	DG MOD 275
DG M TT 2P 275 (FM)	DG MOD NPE

They are used in following configurations:

Equipment	Pflug-in Modules	
	DG MOD 275	DG MOD NPE
DG M TT 2P 275 (FM)	1x	1x
DG M TN 275 (FM)	2x	---

Electrical data

Type:	Umax
DG M TT 2P 275 FM	275 V
DG M TT 2P 275	275 V
DG M TN 275 FM	275 V
DG M TNP 275	275 V

Thermal data

Ambient temperature range -40 °C ≤ Ta ≤ +80 °C