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 22.0080X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2023-06-22

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

Equipment: **Surge protector type DR M 2P XXX 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) 2022-06-22

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

IECEx Certificate of Conformity

Certificate No.: **IECEx TUR 22.0080X**

Date of issue: 2023-06-22 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/ExTR22.0080/00

Quality Assessment Report:

NL/DEK/QAR12.0084/06

IECEx Certificate of Conformity

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

The surge protector DR M 2P XXX XX is used in circuits to protect the connected equipment from high-energy transient overvoltage's.

The surge protector is intended for the following applications:

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

The DR M 2P XXX XX is a modular surge protective device consisting of a base part and one plug-in protection module.

SPECIFIC CONDITIONS OF USE: YES as shown below:
See attachment to certificate

Annex:

IECEx_TUR_22.0080X_00_Attachment.pdf

Attachment to Certificate IECEx TUR 22.0080X

Device: **Surge protector**
Type: **DR M 2P XXX XX**

Manufacturer: **DEHN SE**

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

General product information:

Type designation

DR M 2P XXX XX

DR M 2P	XXX	XX
1	2	3

1	DG M 2P = 2 pole modular
2	z. B. 30 = highest permissible system voltage in V
3	FM = optional for variant with remote contact

Description

The surge protector DR M 2P XXX XX are used in circuits to protect the connected equipment from high-energy transient overvoltage's.

The surge protector is intended for the following applications:

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

The DR M 2P XXX XX is a modular surge protective device consisting of a base part and one plug-in protection module.

.

Parameter

Electrical data

Type	**U_{max} in V**	**Imax in A (Tamb -40 - 80 °C)**
DR M 2P 30 FM	30	25
DR M 2P 30	30	
DR M 2P 60 FM	60	
DR M 2P 60	60	
DR M 2P 75 FM	75	
DR M 2P 75	75	
DR M 2P 150 FM	150	
DR M 2P 150	150	
DR M 2P 255 FM	255	
DR M 2P 255	255	

Thermal data

Ambient temperature range

-20 °C ≤ Ta ≤ +80 °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 electrical data above and the operating Instructions.

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