(1) TYPE EXAMINATION CERTIFICATE

(2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 2014/34/EU**

(3) Type-Examination Certificate Number

TÜV 22 ATEX 8930 X

Issue: 00

(4) **Equipment:** **Surge Protector type DR M 2P XXX XX**

(5) **Manufacturer:** **DEHN SE**
(6) **Address:** **Hans-Dehn-Str. 1**
92318 Neumarkt, Germany

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

(8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex8930.00/22

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0: 2018 **EN 60079-7: 2015** **EN IEC 60079-7:2015/A1:2018**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

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

II 3 G Ex ec IIC T4 Gc

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz Cologne, 22.06.2023

Dipl.-Ing. Christian Mehrhoff

ATEX Notified Body • TÜV Rheinland Industrie Service 0035

This EU-Type Examination
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(13) Annex

(14) # Type Examination Certificate

TÜV 22 ATEX 8930 X Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Surge Protector 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 renut contact

15.2 Description / Details of Change

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.

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Technical Data

Electrical data

Type	U_{max} in V	I_{max} in A (T_{amb} -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
-40 °C ≤ Ta ≤ +80 °C

(16) Test-Report No. 557/Ex8930.00/22

(17) Special Conditions for safe use

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

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz Cologne, 2023-06-22

Dipl.-Ing. Christian Mehrhoff

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