(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 20 ATEX 8480 X Issue: 00

(4) **Equipment:** **Monitoring Unit type DRC IRCM ***

(5) **Manufacturer:** **DEHN SE + Co KG**
(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, Notified Body No. 0035 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 / Ex 8480.00 / 20.

(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 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 EU-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, 16.06.2021

Dipl.-Ing. Christian Mehrhoff

This Type Examination Certificate without signature and stamp shall not be valid.
This Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the TÜV Rheinland Industrie Service GmbH, TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. + 49 (0) 221 806 114

www.tuv.com

10/201 10.17 E A4 ® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

TÜVRheinland®
Precisely Right.

(13) Annex

(14) # Type Examination Certificate

TÜV 20 ATEX 8480 X Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Monitoring Unit type DRC IRCM *
The asterisks in the type designation will be replaced by letters TX RX or RU and indicate the respective type of the construction of the equipment.
Type **DRC IRCM TX RX** is an active send- and receive unit
Type **DRC IRCM RU** is a passive reverse unit

15.2 Description / Details of Change

The Monitoring Unit type DRC IRCM * can be installed inside areas with gas that require category 3 equipment.

Technical Data

Electrical Data

1 Input circuit
terminals No. „+" – „-"

Maximum input votage	DC 35 V
Maximum input current	10 mA

2 Contact circuit (telecommunication contact)
terminals No. 11 – 12

Maximum input votage	DC 48 V bzw. AC 30 V
Maximum input current	500 mA
Maximum input power	300 mW

This EU Type Examination Certificate without signature and official stamp shall not be valid.
This certificate may be circulated without alteration. Extracts or alterations are subject to approval by:
Zertifizierungsstelle of TÜV Rheinland Industrie Service GmbH

TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.
9/505 01.07

3 The functional earth connection via the DIN rail is not a connection facility according to IEC 60079-0 clause 15.

Environmental data

-30 °C ≤ Ta ≤ +70 °C

(16) Test-Report No. 557/Ex8480.00/20

(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 4. Technical data and the operating instructions.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz Cologne, 2021-06-16



Dipl.-Ing. Christian Mehrhoff

This EU Type Examination Certificate without signature and official stamp shall not be valid.
This certificate may be circulated without alteration. Extracts or alterations are subject to approval by:
Zertifizierungsstelle of TÜV Rheinland Industrie Service GmbH

TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.
9/505 01.07