

CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **KEMA 09ATEX0139 X**

Issue Number: **4**

(4) Product: **PROFIBUS Repeater OZD Profi 12M ... PRO Series**

(5) Manufacturer: **Hirschmann Automation and Control GmbH**

(6) Address: **Stuttgarter Strasse 45-51, 72654 Neckartenzlingen, Germany**

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

(8) DEKRA Certification B.V., certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. 225735000 Issue 0.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018

EN 60079-7 : 2015 + A1 : 2018

EN IEC 60079-15 : 2019

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

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



II 3 G

Ex ec nC IIC T5 Gc

Date of certification: **13 May 2022**

DEKRA Certification B.V.

R. Schuller
Certification Manager

Page 1/2

© Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 09ATEX0139 X**

Issue No. 4

(15) **Description**

The PROFIBUS Repeaters OZD Profi 12M ... PRO Series, for rail mounting are intended to be used in optical PROFIBUS Fieldbus networks.

They enable electrical PROFIBUS interfaces (RS485 level) to be converted into optical PROFIBUS interfaces and vice versa.

Ambient temperature range: 0 °C to +60 °C
-20 °C to +60 °C (with EEC feature)

Electrical data

Supply: 24 Vdc (18 ... 30 Vdc), 195 ... 130 mA

Relay output: max. 60 Vdc / 30 Vac, max. 1 A (resistive load)

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 225735000 Issue 0.

(17) **Specific conditions of use**

1. The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
2. The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN IEC 60079-0, taking into account the environmental conditions under which the equipment will be used.
3. Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140 %.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 225735000 Issue 0.