

CERTIFICATE

(1) Type Examination

(2) **Product or Protective System intended for use in potentially explosive atmospheres - UKSI 2016:1107 (as amended) - Schedule 3A, Part 6**

(3) Type Examination Certificate Number: **DEKRA 21UKEX0083X**

Issue Number: **0**

(4) Product: **Fiberoptic Repeater OZD 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 Schedule 1 of the Regulations 2016, UKSI 2016:1107 (as amended).

The examination and test results are recorded in confidential report 22735400 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 to this certificate.

(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:



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Date of certification: 13 May 2022

DEKRA Certification B.V.

R. Schuller
Certification Manager

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 21UKEX0083X**

Issue No. **0**

(15) **Description**

The Fiberoptic Repeater OZD Series, for rail mounting are intended to be used in optical fieldbus networks.

They enable electrical interfaces to be converted into optical interfaces and vice versa

Ambient temperature range: 0 °C ... +60 °C for Temperature range parameter "S"
-20 °C ... +60 °C for Temperature range parameters "R"

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**

225735400 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 119 V.

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

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, compliance with all other requirements is demonstrated in the report, using compliance to EN 60079-15 : 2010.

(19) **Test documentation**

As listed in Report number 225735400 Issue 0.