

[1]

TYPE EXAMINATION CERTIFICATE



[2]

**Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU**

[3] Type Examination Certificate Number: **DEMKO 17 ATEX 1904 Rev. 0**[4] Product: **Optical Isolators, PicoPak-CI-CO-LP series**[5] Manufacturer: **Weidmüller Interface GmbH & Co. KG**[6] Address: **Klingenbergsstrasse 16, 32758 Detmold Germany**

[7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S 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 report no. **4787872264**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

EN 60079-7:2015

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 of the specified product, and not to specific items of product subsequently manufactured.
- [12] The marking of the product shall include the following:

Ex II 3 G Ex ec IIC T4 Gc

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2018-04-26



Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com

[13] **Schedule**
[14] **TYPE EXAMINATION CERTIFICATE No.**
DEMKO 17 ATEX 1904 Rev. 0

[15] **Description of Product:**

The passive Isolator PicoPak-CI-CO-LP series separates stand-analogue current signals. An analogue input current signal is converted linear and galvanic isolated into an analogue output current signal. The power supply occurs through the input and output measuring circuit. Intended to be installed in an industrial application within an end use enclosure.

Nomenclature for type PicoPak-CI-CO-LP series:

PicoPak-	CI-	CO-	LP-	x
I	II	III	IV	V

I	PicoPak - PicoPak series
II	CI – Current Input
III	CO – Current Output
IV	LP – Loop Powered
V	S – Screw terminals
	P – Push-in terminals

Temperature range:

The ambient temperature range is -40 °C to +55...70 °C.

Electrical data

18 to 32 Vdc, 50 mW supply
Input to isolator 6 to 35 Vdc, 4 to 20 mA.
Output to isolator 18 to 32 Vdc, 4 to 20 mA.

Routine tests

A dielectric strength routine test is required, as per the relevant industrial standards

[16] **Descriptive Documents**

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17] **Special Conditions of Use:**

None

[18] **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The trademark **Weidmüller**  will be used as the company identifier on the marking label.