

[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 18 ATEX 2026X Rev. 3**

[4]

Product : **Communication Modules, Model Series GW... 1E/1DB9, GW... 1E/2DB9, GW... 2E/2DB9, GW... 2E/4DB9, Models GW...1E/1PT, Models GW...1E/1TB**

[5]

Manufacturer : **Phoenix Contact GmbH & Co. KG**

[6]

Address : **Flachsmarktstraße 8, Blomberg, 32825, 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. **US/UL/ExTR18.0029/03.**

[9]

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

EN IEC 60079-0:2018

EN IEC 60079-7:2015/A1:2018

Where additional criteria beyond those given here have been used, they are listed at item 18 in 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" listed under item 17 of 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 (marking is provided in the Schedule as a part of item 15, if applicable):

 **II 3 G Ex ec IIC T4 Gc**

Certification Manager

Thomas Wilson

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: 2018-03-19

Re-issued: 2024-08-28

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

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[14]

Schedule

TYPE EXAMINATION CERTIFICATE No.

DEMKO 18 ATEX 2026X Rev. 3

[15]

Description of Product:

This family of products contains serial device servers and gateways for converting serial data (RS-232/422/485) or I/O terminal to Ethernet data (RJ45).

Communication Modules:

Model Series GW...xE/xDB9, where the first x can be 1 or 2 and the second x can be 1, 2 or 4 and '...' is any alphanumeric character or blank related to firmware variations.

Models GW...1E/1PT and GW...1E/1TB, where '...' is any alphanumeric character or blank related to firmware variations.

Model Differences:

Model GW... 1E/2DB9 is identical to model GW... 1E/1DB9 except it has two rather than one DB9 connectors. Both have a single RJ45 connector for Ethernet.

Model GW... 2E/4DB9 is identical to model GW... 2E/2DB9 except it has four rather than two DB9 connectors. Both have dual RJ45 connectors for Ethernet.

Models GW... 1E/1PT and GW... 1E/1TB are similar to model GW... 1E/1DB9 except they utilize different I/O connector types rather than a DB9 connector.

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1 to the scope of EN 60079-28:2015.

Temperature range

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

Electrical data

Model	Rating
GW... 1E/1DB9 GW...1E/1PT GW...1E/1TB	10.8-30 VDC, 60 mA
GW... 1E/2DB9	10.8-30 VDC, 85 mA
GW... 2E/2DB9	10.8-30 VDC, 100 mA
GW... 2E/4DB9	10.8-30 VDC, 120 mA

Routine tests:

No routine testing is required.

[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]

Specific condition(s) of use:

- The equipment must be installed in a suitably-certified tool-secure enclosure providing a minimum ingress protection of IP54 in accordance with EN IEC 60079-0.
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.

[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 will be used as the company identifier on the marking label.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.