

TYPE EXAMINATION CERTIFICATE



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

Type Examination Certificate Number: **DEMKO 13 ATEX 1207259X Rev. 1**

Product: **Programmable Controllers, Series IE, maybe followed by -CS or -CST, followed by -2TX, may be followed by -1RS232/485 or -2RS232/485**

Manufacturer: **Weidmüller Interface GmbH & Co. KG**

Address: **Klingenbergstraße 16, 32758 Detmold, Germany**

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

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. **4787864162.5.1**

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

EN 60079-0:2012+A11:2013

EN 60079-15:2010

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

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.

This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.

The marking of the product shall include the following:



II 3 G Ex nA nC IIC T3 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: 2013-08-14

Re-issued: 2017-03-26



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

Schedule

TYPE EXAMINATION CERTIFICATE No.

DEMKO 13 ATEX 1207259X Rev. 1

Description of Product:

The subject models are DIN rail mounted industrial application Ethernet communication devices. They are intended for Industrial Applications, pollution degree 2 environments. They are microcomputer-based and communicate via interfaces through wire.

Subject models are of the open type and are intended for installation into a suitable enclosure.

Programmable Controllers, Series IE, maybe followed by -CS or -CST, followed by -2TX, may be followed by -1RS232/485 or -2RS232/485

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.

Model Difference – As outlined below.

	IE-CS-2TX-1RS232/485	IE-CST-2TX-1RS232/485	IE-CS-2TX-2RS232/485	IE-CST-2TX-2RS232/485
Ethernet RJ45	Two provided		Two provided	
RS232	One provided		Two provided	
Signal Channel	Five Channels		N/A	

Temperature range:

The relation between ambient temperature and the assigned temperature class is as follows:

Ambient temperature range

-40 °C to +75 °C

Temperature class

T3

Electrical data

Model	Rating
Series IE, maybe followed by -CS or -CST, followed by -2TX, may be followed by -1RS232/485 or -2RS232/485	Input: 12-48 V dc, max. 500 mA, Class 2 Relay Output: 24 V dc, 1 A, Resistive Load

Routine tests:

None

Descriptive Documents

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

Special Conditions of Use:

- The Ethernet Communication Devices are to be mounted in a tool-accessible ATEX certified IP54 enclosure and used in an area of not more than pollution degree 2 as defined by EN 60664-1.
- Provisions shall be made to provide the transient protection device to be set at a level not exceeding 140% of the peak rated voltage.

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.