

[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 11 ATEX 1106692X Rev. 2**

[4]

Product: **Industrial Media Converter Series IE-MC**

[5]

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

[6]

Address: **Postfach 3030 32760 Detmold 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. **4787864162.3.1**

[9]

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.

[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:



**II 3 G**

**Ex nA nC 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:** 2011-06-06

**Re-issued:** 2017-06-19

**Certification Body**

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark  
Tel. +45 44 85 65 65, [info.dk@ul.com](mailto:info.dk@ul.com), [www.ul.com](http://www.ul.com)



[13]

[14]

# Schedule

## TYPE EXAMINATION CERTIFICATE No.

### DEMKO 11 ATEX 1106692X Rev. 2

[15]

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.

Industrial Media Converter Series IE-MC, followed by –VL or –VLT, followed by –1TX, followed by –1SC or –1ST, followed by (S) or blank.

Model Differences:

Model	No. of Ethernet RJ45 Ports	No. of Fiber Port (M.M.)	No. of Fiber Port (S.M.)
IE-MC-VL-1TX-1SC	1	1	-
IE-MC-VLT-1TX-1SC	1	1	-
IE-MC-VL-1TX-1ST	1	1	-
IE-MC-VLT-1TX-1ST	1	1	-
IE-MC-VL-1TX-1SCS	1	-	1
IE-MC-VLT-1TX-1SCS	1	-	1

Note :

S.M. – Single-mode Fiber

M.M. – Multi-mode Fiber

SC – SC Fiber connector

ST – ST Fiber connector

Performance testing

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 not covered in this certificate.

Temperature range:

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

Ambient temperature range	Temperature class
-40 °C to +75 °C for suffix with –VLT	T4
0 °C to +60 °C for suffix with –VL	

Electrical data:

Model	Electrical Rating	Relay Output	Protection Method
Series IE-MC	12-48VDC, 0.7A Max.	24VDC, 1A, Resistive	nA nC

Routine tests:

No routine tests are necessary.

[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:


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

[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.