

[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 2137X Rev. 0**

[4]

Product: **Ethernet Switches, Models IE-SW-VL08MT-8TX, IE-SW-VL08MT-6TX-2ST, IE-SW-VL08MT-6TX-2SC and IE-SW-VL08MT-6TX-2SCS**

[5]

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

[6]

Address: **Klingenbergstrasse 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. **4788671532.1.1**

[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

EN 60079-28:2015

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:



II 3 G

Ex nA nC IIC T4 Gc



II 3 G

Ex nA nC op is 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: 2018-10-17

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[14]

Schedule TYPE EXAMINATION CERTIFICATE No. DEMKO 18 ATEX 2137X Rev. 0

[15]

Description of Product:

Models IE-SW-VL08MT-8TX, IE-SW-VL08MT-6TX-2ST, IE-SW-VL08MT-6TX-2SC and IE-SW-VL08MT-6TX-2SCS are DIN rail mounted industrial Ethernet devices and Media Converters. They provide LAN capabilities in an industrial environment and are to be installed in a suitable enclosure.

Model	No. of Ports		
	RJ 45 (10/100 Base T(x)) Ports	Fiber Ethernet – SC Type	Fiber Ethernet – ST Type
IE-SW-VL08MT-8TX	8	-	-
IE-SW-VL08MT-6TX-2SCS	6	2	-
IE-SW-VL08MT-6TX-2SC	6	2	-
IE-SW-VL08MT-6TX-2ST	6	-	2

For Models IE-SW-VL08MT-6TX-2ST, IE-SW-VL08MT-6TX-2SC and IE-SW-VL08MT-6TX-2SC, 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.

For Model IE-SW-VL08MT-8TX, 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
-40 °C to +75 °C

Temperature class
T4

Electrical data

Model	Electrical Rating	Protection Method
IE-SW-VL08MT-8TX	12 Vdc, 0.61 A or 24Vdc, 0.3A or 48Vdc 0.16 A, Relay Output 1 A @ 24 Vdc	nA nC
IE-SW-VL08MT-6TX-2ST, IE-SW-VL08MT-6TX-2SC, IE-SW-VL08MT-6TX-2SC	12 Vdc, 0.61 A or 24Vdc, 0.3A or 48Vdc 0.16 A 24 Vdc, Relay Output 1 A @ 24 Vdc	nA nC op is

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:

Provisions shall be made to provide the transient protection to be set at a level not exceeding 140% of the peak rated voltage.

These devices shall be mounted in a suitable tool-accessible ATEX-Certified enclosure rated to at least IP54 as defined in EN 60529 and Pollution Degree 2 as defined in EN 60664-1 and used within their rated electrical and environmental ratings.

[18]

Essential Health and Safety Requirements

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

Additional information

Weidmüller 

The trademark

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