

[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 150194X Rev. 4**

[4] Product: **Ethernet Switches, Models IE-SW-VL08-8GT, IE-SW-VL08T-8GT, IE-SW-VL08-6GT-2GS and IE-SW-VL08T-6GT-2GS**

[5] Manufacturer: **Weidmüller Interface GmbH & Co. KG**

[6] Address: **Klingenbergsstraße 26, 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. **4789964709.1.1.**

[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** **EN IEC 60079-15:2019**

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 nC 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: 2011-04-26

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Certification Body UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule
TYPE EXAMINATION CERTIFICATE No.
DEMKO 11 ATEX 150194X Rev. 4

[15]

Description of Product:

Models IE-SW-VL08-8GT, IE-SW-VL08T-8GT, IE-SW-VL08-6GT-2GS and IE-SW-VL08T-6GT-2GS are open type Ethernet switches with communication interface and are intended for use in industrial automation applications. They are microcomputer-based and communicate via interfaces through wire. These devices are open-type devices intended for installation in an ultimate enclosure. The subject Models consist of two circuit boards and utilize Non-Sparking "ec" and the Sealed Device "nC" protection methods.

Model Differences -

Model	IE-SW-VL08-8GT, IE-SW-VL08T-8GT	IE-SW-VL08-6GT-2GS, IE-SW-VL08T-6GT-2GS
Ethernet RJ45	Eight provided	Eight provided
Fiber	N/A	Two provided

Model IE-SW-VL08-8GT is identical to Model IE-SW-VL08T-8GT except for model designation. Model IE-SW-VL08-6GT-2GS is identical to Model IE-SW-VL08T-6GT-2GS except for model designation. The difference between the Models is software related.

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 ≤ Tamb ≤ +75°C (for model suffix with "T")	
-10°C ≤ Tamb ≤ +60°C (for model suffix without "T")	T4

Electrical data

Model Nos.	Rated Supply Voltage and Current	Relay Contact Rating
IE-SW-VL08-8GT, IE-SW-VL08T-8GT	12-48 V _{DC} , Class 2, Maximum 0.8 A	
IE-SW-VL08-6GT-2GS, IE-SW-VL08T-6GT-2GS	12-48 V _{DC} , Class 2, Maximum 0.9 A	24 V _{DC} , 1 A, resistive load

Routine tests:

No routine tests necessary.

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Descriptive Documents

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

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Special Conditions of Use:

- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with EN IEC 60079-0.
- The equipment shall only be used in an area of at least pollution degree 2, as defined in EN 60664-1.

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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.