

# 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 19 ATEX 2220X Rev. 0**

[4] Product: **Managed Fast Ethernet Switches, Model IE-SW-PL08M Series**

[5] Manufacturer: **Weidmüller 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. **4788770840.1.1**

[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**

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:** 2019-07-31

**Certification Body**

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark  
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## Schedule

### TYPE EXAMINATION CERTIFICATE No.

DEMKO 19 ATEX 2220X Rev. 0

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#### Description of Product:

These devices are evaluated as open-type devices, microcomputer-based and communicate via interfaces through wire. They are intended for installation into a tool-accessible only ultimate enclosure and can be installed by DIN-Rail mounting or wall mounting.

#### NOMENCLATURE:

IE-SW I	-PL08M II	-6TX III	-2SC IV
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I – Basic type designation  
IE-SW: Type designation

II - Total IO port configure  
-PL08M: 8 Ports with ambient range -10 °C to +60 °C  
-PL08MT: 8 Ports with ambient range -40 °C to +75 °C

III – total RJ45 ports  
-8TX: 8 ports  
-6TX: 6 ports

IV – Fiber connector type  
-2SC: Subscriber Connector with Multiple mode port statues  
-2ST: Straight Tip connector with Multiple mode port statues  
-2SCS: Subscriber Connector with single mode port statues

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:

-10 °C < Ta < +60 °C (For Model IE-SW-PL08M Series)  
-40°C < Ta < +75°C (For For Model IE-SW-PL08MT Series)

#### Electrical data

Model IE-SW-PL08M series	Electrical Rating 12/24/48 VDC, 0.62/0.3/0.16 A, Relay output 24 VDC/1 A (Resistive), Class 2
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#### Routine tests:

No routine tests are 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 only be used in an area of at least pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP 54 in accordance with EN 60079-0.

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