

[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: **UL 23 ATEX 3070X Rev. 0**

[4]

Product: **Industrial Ethernet Switch, Model FL SWITCH 1008T and FL SWITCH 1108T**

[5]

Manufacturer: **PHOENIX CONTACT GmbH & Co. KG**

[6]

Address: **Flachsmarktstraße 8, 32825 Blomberg 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. **US/UL/ExTR23.0073/00.**

[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

Where additional criteria beyond those given here have been used, they are listed at item 18 in 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" listed under item 17 of 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 (marking is provided in the Schedule as a part of item 15, if applicable):

 **II 3 G Ex ec 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: 2023-11-01

Certification Body

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

TYPE EXAMINATION CERTIFICATE No.

UL 23 ATEX 3070X Rev. 0

[13]

[14]

[15]

Description of Product:

Models FL SWITCH 1008T and FL SWITCH 1108T are Industrial Ethernet Switches that consist of one DC Input Connector and 8 (RJ45) Ethernet ports. The models differ in the designation, ratings, schematics, layout and transmission rates. These devices are evaluated as open-type devices, microcomputer based and communicating via interface through wire. They are intended for installation into a tool-accessible only ultimate enclosure and can be installed by DIN-Rail mounting:

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	Input Rating
FL SWITCH 1008T	9 - 32 Vdc or 18-30 Vac, 50/60 Hz, max. 170 mA or 24 Vdc/Vac, 50/60 Hz, max. 170 mA
FL SWITCH 1108T	9 - 32 Vdc or 18-30 Vac, 50/60 Hz, max. 460 mA or 24 Vdc/Vac, 50/60 Hz, max. 460 mA

Routine tests:

No routine tests required.

[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 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 a tool-accessible enclosure that provides a minimum ingress protection of IP 54 in accordance with EN 60079-0.
- Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminal to the devices.

[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.