



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx UL 23.0065X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-11-01

Applicant: **Phoenix Contact GmbH & Co. KG**
Flachsmarktstraße 8
Blomberg 32825
Germany

Equipment: **Industrial Ethernet Switch, FL SWITCH 1008T and FL SWITCH 1108T.**

Optional accessory:

Type of Protection: **Increased Safety "ec"**

Marking: **Ex ec IIC T4 Gc**
-40°C to 75°C

Approved for issue on behalf of the IECEx
Certification Body:

Erin LaRocco

Position:

Staff Engineer

Signature:
(for printed version)

Erin LaRocco

Date:
(for printed version)

2023-11-01

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Phoenix Contact GmbH & Co. KG**
Flachsmarktstraße 8
Blomberg 32825
Germany

Manufacturing
locations: **EtherWAN Systems Inc.**
8F, No. 2, Alley. 6, Lane 235
Baoqiao Road, Xindian District
New Taipei City 231
Taiwan

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/UL/ExTR23.0073/00](#)

Quality Assessment Reports:

[DE/TUR/QAR16.0015/05](#)

[NL/DEK/QAR11.0009/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Models FL SWITCH 1008T and FL SWITCH 1108T are Industrial Ethernet Switches that consist of one AC/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 installed by DIN-Rail mounting.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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

Annex:

[Annex to IECEx UL 23.0065X Issue 0.pdf](#)

Annex to Certificate No.:

IECEx UL 23.0065X

Issue No.: 0

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TYPE DESIGNATION

Industrial Ethernet Switch, Model FL SWITCH 1008T and FL SWITCH 1108T

Model Name	RJ45 Ports
FL SWITCH 1008T, FL SWITCH 1108T	8

The models differ in the designation, ratings, schematics, layout and transmission rates.

PARAMETERS RELATING TO THE SAFETY

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

MARKING

Marking has to be readable and indelible; it has to include the following indications:

FL SWITCH 1008T/1108T



1	2	3	4	5
Or. No.	Description	Voltage / Current	Ambient Temperature	Factory ID
1085094	FL SWITCH 1008T	24V DC/AC 50/60Hz, 170 mA maximum	-40°C ≤ Tamb ≤ 75°C	NA YT3100
1085088	FL SWITCH 1108T	24V DC/AC 50/60Hz, 460 mA maximum	-40°C ≤ Tamb ≤ 75°C	LR9141 TW3

※Voltage Range: 9-32 VDC or 18-30 VAC, 50/60Hz
or 24V DC/AC 50/60Hz