

[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 16 ATEX 1727X Rev. 0**

[4] Product: **Unmanaged Full Gigabit Ethernet Switches, Models IE-SW-BL05-4GT-1GS and IE-SW-BL05T-4GT-1GS**

[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. **4787452913**

[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: 2016-06-28

Certification Body

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

TYPE EXAMINATION CERTIFICATE No.

DEMKO 16 ATEX 1727X Rev. 0

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Description of Product:

Models IE-SW-BL05-4GT-1GS and IE-SW-BL05T-4GT-1GS are open type, programmable controllers with communication interface and intended for use in industrial applications. They are microcomputer-based and communicate via interfaces through wire. These subject devices are intended for installation into an ultimate enclosure that uses a tool removable cover/door.

The optical radiation output of the apparatus 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.

Models IE-SW-BL05-4GT-1GS and IE-SW-BL05T-4GT-1GS have same constructions except for ambient temperature range.

Temperature range:

The relation between ambient temperature and the assigned temperature class is as follows:

Model	Ambient temperature range	Temperature class
IE-SW-BL05-4GT-1GS	-10 °C to +60 °C	T4
IE-SW-BL05T-4GT-1GS	-40 °C to +75 °C	T4

Electrical data:

Input: 12-48 V dc, 380 mA, Class 2

Relay Output: 24 V dc, 1 A, Resistance, Class 2.

Mounting instructions:

Devices can be either DIN-rail or wall mounted.

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:

- The equipment shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with EN 60079-15 and accessible only by the use of a tool.
- Devices are for use in an area of not more than pollution degree 2 in accordance with EN 60664-1.
- When end users are providing Optical SFP Communications modules, these must be limited to Laser Class 1 only.

[18]

Essential Health and Safety Requirements

Met by compliance with the standards EN 60079-0:2012+A11:2013, EN 60079-15:2010.

The trademark **Weidmüller** 

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