

[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 2982X Rev. 0**

[4]

Product: **Industrial Control Equipment, Models UC20-M3000 and UC20-M4000**

[5]

Manufacturer: **Weidmüller Interface GmbH & Co. KG**

[6]

Address: **Klingenbergstrasse 26, Detmold 32758 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/ExTR23.0024/00.**

[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 T3 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: 2023-10-05

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[14]

Schedule

TYPE EXAMINATION CERTIFICATE No.

UL 23 ATEX 2982X Rev. 0

[15]

Description of Product

The UC20 series are programmable controllers for use in Ex Zone 2 Hazardous Locations. They are open-type devices and are intended for installation in a suitable end use enclosure. The series are made of three boards, the CPU Board which houses the ethernet and USB ports, the backplane board, and the power board.

Model No.	Processor
UP20-M3000	Dual Core
UP20-M4000	Quad Core

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 covered in this certificate based on Exception 1) to the scope of EN 60079-28:2015.

Temperature range:

The ambient temperature range is $-40^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$. When used with u-remote local I/O mounted on the right side, the product ambient temperature must be limited to -20°C to $+60^{\circ}\text{C}$.

Electrical data

System/Field Input Voltage: Rail A: 24V, 10A
Rail B: 24V, 10A

Output Voltage: Power feed Rail A – 24V (18 - 30V), 8.5A
Power Feed Rail B - 24V (18 – 30V), 10A
Power Feed 5V (Local I/O) – 5.1V, 1.5A
Power Feed 5V (Expansion left side) – 5.1V, 1.5A

Routine tests

N/A

[16]

Descriptive Documents

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

[17]

Specific conditions of use:

- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in only accessible with the use of a tool and that provides a degree of protection not less than IP 54 in accordance with EN 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 terminals to the equipment.
- When used with u-remote local I/O mounted on the right side, the product ambient temperature must be limited to -20°C to $+60^{\circ}\text{C}$.

[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 **Weidmüller**  will be used as the company identifier on the marking label.