



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 23.0022X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-10-05

Applicant: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 26
Detmold 32758
Germany

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

Optional accessory:

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

Marking: **Ex ec IIC T3 Gc**
-20°C ≤ Ta ≤ +60°C
-40°C ≤ Ta ≤ +70°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:
(for printed version)

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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Page 2 of 3

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Klingenbergstrasse 26
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Manufacturing locations: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 26
Detmold 32758
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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/ExTR23.0024/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0052/08](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 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 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 $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$.

Annex:

[Annex to IECEx UL 23.0022X Issue 0.pdf](#)

Annex to Certificate No.:

IECEx UL 23.0022X

Issue No.: 0

Page 1 of 1

TYPE DESIGNATION

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

PARAMETERS RELATING TO THE SAFETY

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



MARKING

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



Weidmüller 
www.weidmueller.com
UC20-M4000

Automation Controller
2839160000 HW ☐
SN: []
Made in []


Ind. Cont. Eq. for use in Haz. Loc.
E223527
C1, Div.2, Groups ABCD
Poll. Deg. 2 Ta: -40°C...+70°C, T3C
II 3 G Ex ec IIC T3 Gc
UL 23 ATEX 2982X
IECEx UL 23.0022X
Ta: -40°C...+70°C



Weidmüller Ltd.
Centurion Court Office Park
Meridian East, Leicester, LE19 1TP



3.1	24 V	Feed in for input and system
3.2	24 V	
3.3	GND	I ≤ 10A
3.4	GND	
4.1	24 V	Feed in for output
4.2	24 V	
4.3	GND	I ≤ 10A
4.4	GND	

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold



Weidmüller 
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