



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 ULD 20.0033X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-12-17

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

Equipment: **UC20 u-control series of Open-type Programmable Controllers, Models UC20-WL2000-AC, UC20-SL2000-EC, UC20-SL2000-AC-EC, UC20-SL2000-OLC-EC, UC20-SL2000-OLAC-EC, UC20-SL2000-EC-CAN, UC20-SL2000-AC-EC-CAN, UC20-SL2000-OLC-EC-CAN, UC20-SL2000-OLAC-EC-CAN, UC20-WL2000-IOT, UC20-WL2000-AC-CAN, UC20-WL2000-AC-EC, UC20-WL2000-AC-EC-CAN.**

Optional accessory:

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

Marking: **Ex ec IIC T4 Gc**
-20°C ≤ Ta ≤ +55°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:

2020-12-17

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 International DEMKO A/S
Borupvang 5A
DK-2750 Ballerup
Denmark





IECEx Certificate of Conformity

Certificate No.: **IECEx ULD 20.0033X**

Page 2 of 3

Date of issue: 2020-12-17

Issue No: 0

Manufacturer: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
Detmold 32758
Germany

Additional manufacturing locations: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 16
32758 Detmold
Germany

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:

[DK/ULD/ExTR20.0033/00](#)

Quality Assessment Report:

[NL/DEK/QAR12.0052/07](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx ULD 20.0033X**

Page 3 of 3

Date of issue: 2020-12-17

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

These modules are intended to be used in combination with programmable controllers and intended to be used for communication and input / output purposes. The system consists of Bus Coupler Modules and Input / Output Modules with different functions. The Input and Output Modules are consisting of a base module with connections to the communication bus and power sources, different electronic modules and a modular terminal block module. The equipment is intended to be supplied by a switched-mode regulated power supply unit (SMPSU).

The modules use two different PCB variants: One variant supporting CAN functionality, one variant without CAN functionality. All other differences are only in the used software.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with IEC 60079-0, accessible only by the use of a tool.
- The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.
- When installed in areas requiring Equipment Protection Level (EPL) "Gc" equipment, the u-control station may only be installed in horizontal orientation.

Annex:

[Annex_to_IECEx_ULD_20.0033X_Issue_0.pdf](#)



IECEx Certificate of Conformity

Certificate No.: IECEx ULD 20.0033X

Issue No.: 0

Page 1 of 3

PARAMETERS RELATING TO THE SAFETY

Model	Type	Main Input	Auxiliary Input / Output
UC20-WL2000-AC UC20-SL2000-EC UC20-SL2000-AC-EC UC20-SL2000-OLC-EC UC20-SL2000-OLAC-EC UC20-SL2000-EC-CAN UC20-SL2000-AC-EC-CAN UC20-SL2000-OLC-EC-CAN UC20-SL2000-OLAC-EC-CAN UC20-WL2000-IOT UC20-WL2000-AC-CAN UC20-WL2000-AC-EC UC20-WL2000-AC-EC-CAN	Bus Coupler	Input voltage I port: DC 24V Input current at I port at full load: $\leq 5A$ Input voltage O port: DC 24V Input current at O port at full load: $\leq 5A$	Output voltage system bus: 5Vdc $\pm 2\%$ Output current at system bus at full load: 2.56A Output / input current at O / I Port at full load: 5A at 55°C

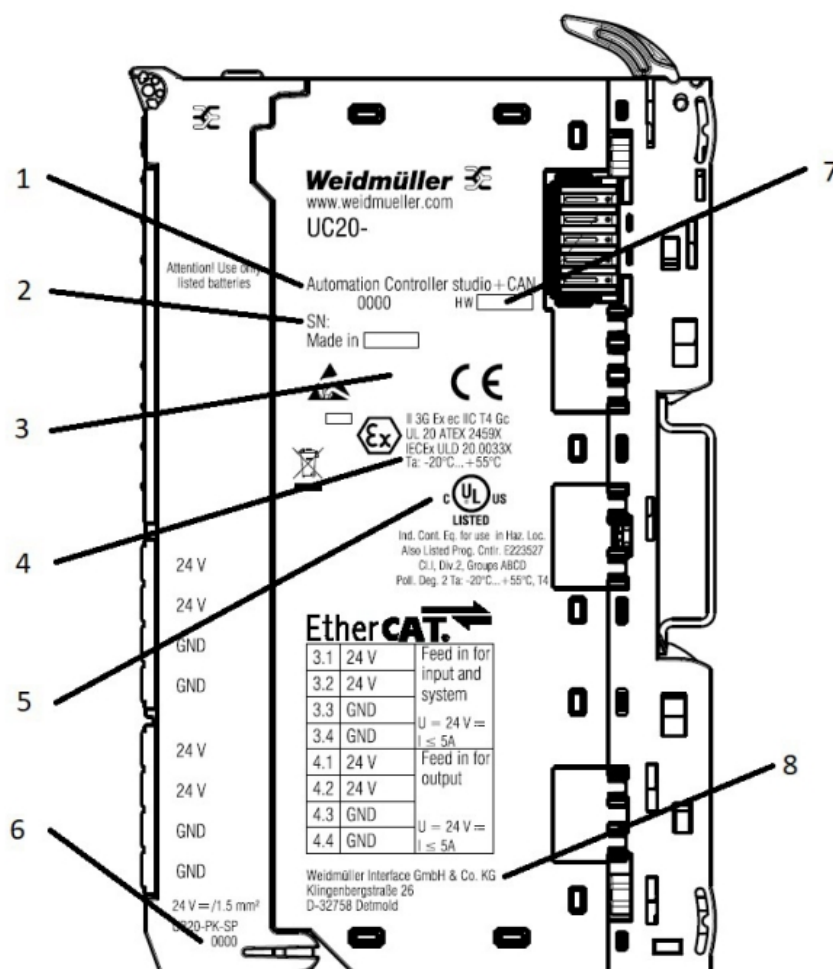
MARKING

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

Certificate No.: IECEx ULD 20.0033X

Issue No.: 0

Page 2 of 3



Type plate (example)

- 1 Product number (Order No.)
- 2 Serial number
- 3 Manufacturing code
- 4 ATEX/IECEx marking
- 5 Logos of certification bodies
- 6 Replacement part order number
- 7 Hardware version
- 8 Notice documentation



IECEx Certificate of Conformity

Certificate No.:

IECEx ULD 20.0033X

Issue No.: 0

Page 3 of 3

ROUTINE EXAMINATIONS AND TESTS

A dielectric strength test per clause 6.1 / 7.1 of standard IEC 60079-7 Ed. 5.1 shall be carried out between all terminals and contacts and the housing of the equipment.