

**UC20-WL2000-AC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

For modern IoT applications, automation technology needs to be increasingly more powerful and adaptable. u-mation offers a coordinated hardware portfolio designed for the future-proof preparation of your machines and systems. u-control 2000 is one of the most compact and state-of-the-art control systems on the market and is the centrepiece of our hardware portfolio. u-control 2000 forms the basis required for use of our engineering solutions u-create web, studio and IoT. The controllers modular design is based on the remote I/O system u-remote, and allows for needs-based expansion to include other components from the u-mation family.

**General ordering data**

Version	Controller, IP20, AutomationController, Web-based, u-control 2000 web, integrated engineering tools: u-create web for PLC - (real-time system) & IIoT applications and CODESYS (u-OS) compatible
Order No.	<a href="#">1334950000</a>
Type	UC20-WL2000-AC
GTIN (EAN)	4050118138351
Qty.	1 pc(s).

Creation date May 6, 2024 3:49:16 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	76 mm	Depth (inches)	2.992 inch
Height	120 mm	Height (inches)	4.724 inch
Width	52 mm	Width (inches)	2.047 inch
Mounting dimension - height	128 mm	Net weight	232 g

## Connection data

Type of connection	PUSH IN
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## General data

Rail	TS 35	UL 94 flammability rating	V-0
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## Power supply

Current consumption from I <sub>sys</sub> , typ.	116 mA	
Feed current for I <sub>IN</sub> (input current path)	max.	5,000 mA
	nominal	5,000 mA
	min.	0 mA
Feed current for I <sub>IN</sub> (input current path) , 5 A max.		
Feed current for I <sub>OUT</sub> (output current path)	min.	0 mA
	nominal	5,000 mA
	max.	5,000 mA
Feed current for I <sub>OUT</sub> (output current path) , max.	5 A	
Supply voltage for outputs	24 V DC +20 %/ -15 %	
Supply voltage system and inputs	24 V DC +20 %/ -15 %	

## System data

Configuration interface	Micro USB 2.0	Connection type	2 x RJ45 plug-in connectors
Engineering tool	u-create web, u-OS	Interface	2x Ethernet TCP/IP, 1x Micro USB
Memory (Flash)	8 GB, 32 GB via microSD	Module type	Controller
Processor	Dual Core ARM Cortex A9, 624 MHz, 512 Mbyte RAM	Programming environment	web-based
Real-time clock	Battery buffered	Transmission speed backplane bus, max.48 Mbit	
max. number of modules	64		

## Classifications

ETIM 6.0	EC000236	ETIM 7.0	EC000236
ETIM 8.0	EC000236	ETIM 9.0	EC000236
ECLASS 9.0	27-24-22-07	ECLASS 9.1	27-24-22-07
ECLASS 10.0	27-24-22-07	ECLASS 11.0	27-24-22-07
ECLASS 12.0	27-24-22-07	ECLASS 13.0	27-24-22-07

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	b2baa72f-7638-44ad-b8eb-76854d0293dc

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## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">DNV/GL certificate</a> <a href="#">RINA certificate</a> <a href="#">Bureau Veritas - Type Approval Certificate</a> <a href="#">Lloyd's Register - Type Approval Certificate</a> <a href="#">Hazardous Locations - UL Class 1 Division 2 Group ABCD</a> <a href="#">IECEX</a> <a href="#">UL ATEX</a> <a href="#">ABS-American Bureau Of Shipping - Certificate of PDA</a> <a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a> <a href="#">Quick start guide – Modbus - Understanding Coils and Register</a> <a href="#">Quick start guide – Function blocks for UR20-3EM-230V-AC</a> <a href="#">Application notes – Installing and using Node-RED App on u-OS</a> <a href="#">Setup of Procon Web ES on u-OS</a> <a href="#">Application notes – Setup of Modbus TCP connection in CODESYS on u-OS</a> <a href="#">Application notes – Setup of FTP client in CODESYS</a> <a href="#">Application notes – UC-Codesys NVL in Node-RED</a> <a href="#">Application notes – UR20-1COM-RSxxx-V1 -Setup of Modbus and Serial communication in CODESYS</a> <a href="#">Application notes – Measuring higher voltages and currents with u-remote</a> <a href="#">Application notes – UR20-1COM-RSxxx-V2 -Setup of Modbus and Serial communication in CODESYS</a> <a href="#">Application notes – Use of Node-RED contrib OpcUa</a>
Product Change Notification	<a href="#">Release notes - u-OS App PROCON-WEB ES</a>
Software	<a href="#">Software – u-link VPN-Client</a> <a href="#">Firmware – Current firmware u-create web</a> <a href="#">Runtime Software – Archived CODESYS Control SL for Weidmueller u-OS Package</a> <a href="#">Compatibility information – Archived u-OS App CODESYS Control SL Runtime</a> <a href="#">Firmware – Archived firmware u-create web</a> <a href="#">Firmware – Downgrade firmware u-OS 2.1.x to u-create web 1.16.1</a> <a href="#">Firmware – Upgrade firmware u-create web to u-OS</a> <a href="#">Runtime Software – u-OS App CODESYS Control SL Runtime</a> <a href="#">Runtime Software – CODESYS Control SL for Weidmueller u-OS Package</a>
User Documentation	<a href="#">u-link Technical User Guide</a> <a href="#">u-control Handbuch (Deutsch)</a> <a href="#">u-control Manual (English)</a> <a href="#">Quick reference / Instruction inlay - u-control web hardware</a> <a href="#">20210504 Security Advisory - Accidentally open network port in u-controls and IoT-Gateways</a> <a href="#">20221214 Security Advisory - Multiple IoT and control products affected by JavaScript injection vulnerability</a> <a href="#">Security Advisory - Multiple products affected by CodeMeter Runtime vulnerability</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings

### Connection diagram

