

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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.	1334950000
Type	UC20-WL2000-AC
GTIN (EAN)	4050118138351
Qty.	1 pc(s).

Creation date June 14, 2025 3:13:42 PM CEST

Catalogue status 07.06.2025 / 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

Temperatures

Storage temperature	-40 °C ... +85 °C	Operating temperature	-20 °C...55 °C
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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_{sys} , typ.	116 mA	Feed current for I_{IN} (input current path) , max.	5 A
Feed current for I_{OUT} (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
ETIM 10.0	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	ECLASS 14.0	27-24-22-07
ECLASS 15.0	27-24-22-07		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	b2baa72f-7638-44ad-b8eb-76854d0293dc

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Important note

Product information	The matching end brackets are included with the control.
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Approvals

Approvals



Approvals MAMID

https://mdcop.weidmueller.com/mediadelivery/rendition/900_319212/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319215/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319220/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319224/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_322323/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319247/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319249/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319255/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/

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

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Downloads

Approval/Certificate/Document of Conformity	DNV certificate RINA certificate Bureau Veritas - Type Approval Certificate Lloyd's Register - Type Approval Certificate Hazardous Locations - UL Class 1 Division 2 Group ABCD IECEX UL ATEX KR Korean register certificate ABS-American Bureau Of Shipping - Certificate of PDA Declaration of Conformity
Engineering Data	CAD data – STEP Quick start guide – Modbus - Understanding Coils and Register Quick start guide – Function blocks for UR20-3EM-230V-AC Application notes – Installing and using Node-RED App on u-OS Setup of Procon Web ES on u-OS Application notes – Setup of Modbus TCP connection in CODESYS on u-OS Application notes – Setup of FTP client in CODESYS Application notes – UC-Codesys NVL in Node-RED Application notes – UR20-1COM-RSxxx-V1 -Setup of Modbus and Serial communication in CODESYS Application notes – Measuring higher voltages and currents with u-remote Application notes – UR20-1COM-RSxxx-V2 -Setup of Modbus and Serial communication in CODESYS Application notes – Use of Node-RED contrib OpcUa Application notes – Ethernet over EtherCAT with Codesys and u-OS
User Documentation	u-control Handbuch (Deutsch) u-control Manual (English) Quick reference / Instruction inlay - u-control web hardware 20210504 Security Advisory - Accidentally open network port in u-controls and IoT-Gateways 20221214 Security Advisory - Multiple IoT and control products affected by JavaScript injection vulnerability 20231018 Security Advisory - Multiple products affected by CodeMeter Runtime vulnerability Security Data Sheet u-OS V1.0 Application notes – Industrial Product Security Guideline
Catalogues	Catalogues in PDF-format

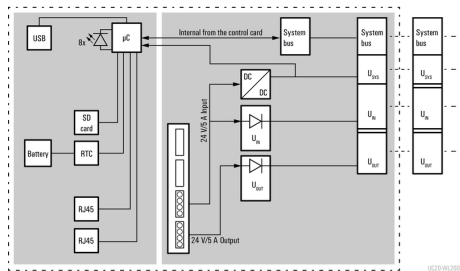
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Drawings

Block diagram



Connection diagram

