

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 tool: u-create web for PLC - (real-time system) & IIoT applications
Order No.	1334950000
Type	UC20-WL2000-AC
GTIN (EAN)	4050118138351
Qty.	1 Stück

Erstellungs-Datum May 25, 2023 10:45:21 AM CEST

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Technische Daten

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

Operating temperature, min.	-20 °C	Operating temperature, max.	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)	nominal	5,000 mA	
	min.	0 mA	
	max.	5,000 mA	
Feed current for I_{IN} (input current path), max.	5 A		
Feed current for I_{OUT} (output current path)	min.	0 mA	
	max.	5,000 mA	
	nominal	5,000 mA	
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	Interface	2x Ethernet TCP/IP, 1x Micro USB
Memory (Flash)	4 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	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

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Environmental Product Compliance

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

Approvals

Approvals



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	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 ABS-American Bureau Of Shipping - Certificate of PDA Declaration of Conformity
Engineering Data	Compatibility information – UC20-WL2000-AC Supported Modules List CAD data – STEP Application notes – Modbus/TCP master implementation in Node-RED Application notes – Data storage and logging to SD card Quick start guide – Modbus - Understanding Coils and Register Quick start guide – Function blocks for UR20-3EM-230V-AC Application notes – Installing and updating nodes in Node-RED Configuration tutorials – Reading data from Node-Red Configuration tutorials – Send e-mail event with IFTTT Configuration tutorials – Receive notifications from IFTTT Configuration tutorials – Data login IFTTT and Google sheets Configuration tutorials – Quick Start u-create web AC Configuration tutorials – Retain variables u-create web Configuration tutorials – u-control WL2000 easy way to notify with e-mail Configuration tutorials – MyStory u-control WL2000 smart e-mail notification Configuration tutorials – Easy use case of u-control WL2000 with OPC-UA clients Configuration tutorials – MyDashboard on u-control WL2000 Application notes – Use of UC20 above 2000m sea level Application notes – UC20-Node-RED Example for publishing Data from ModbusTCP Servers via OPC UA Application notes – UC20-Install CoDeSys on u-OS
Engineering Data	EPLAN
Product Change Notification	Release Notes
Software	Software – u-link VPN-Client Firmware – Current u-OS Firmware Software – CODESYS Development System 3.5 SP18.40 Software – CODESYS Development System 3.5 SP19.0 Software – CODESYS Control SL for Weidmueller u-OS Package Software – u-OS App CODESYS Control SL Runtime Firmware – uc documentation UC20-WL2000-AC
User Documentation	u-link Technical User Guide u-control Handbuch (Deutsch) u-control Manual (English) Online help / Online documentation / Manual 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
Catalogues	Catalogues in PDF-format

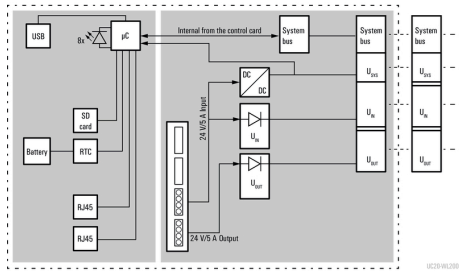
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Zeichnungen

Block diagram



Connection diagram

