Data sheet

UC20-SL2000-EC

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

www.weidmueller.com

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Product image, Similar to illustration



Modern IoT applications require powerful and flexible automation. The u mation portfolio offers a future-proof hardware ecosystem with modular, powerful controllers for demanding industrial and IIoT scenarios. Multicore architectures, the open operating system u-OS and a wide range of interfaces allow high-precision real-time control, data acquisition and edge computing in a single system. Compatible I/O modules, compact engineering solutions and secure IoT gateways allow any application to be expanded in a scalable manner. Starter kits and accessories facilitate a quick start and support efficient development processes.

General ordering data

Version	u-control 2000 studio, Automation Controller with EtherCAT interface, Dual Core ARM Cortex A9, 624 MHz, 512 Mbyte RAM, -20 °C...55 °C, IP20
Order No.	2674520000
Type	UC20-SL2000-EC
GTIN (EAN)	4050118688542
Qty.	1 items

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Technical data

Approvals

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

Dimensions and weights

Depth	76 mm	Depth (inches)	2.9921 inch
Height	120 mm	Height (inches)	4.7244 inch
Width	52 mm	Width (inches)	2.0472 inch
Mounting dimension - height	128 mm	Net weight	250 g

Temperatures

Operating temperature	-20 °C...55 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cI
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

Connection data

Wire cross-section, finely stranded, max. (AWG)	AWG 26	Wire cross-section, finely stranded, min. (AWG)	AWG 16
Wire cross-section, solid, max. (AWG)	AWG 26	Wire cross-section, solid, min. (AWG)	AWG 16
Type of connection	PUSH IN	Wire cross-section, solid, max.	1.5 mm²
Wire connection cross-section, finely stranded, max.	1.5 mm²	Wire connection cross section, finely stranded, min.	0.14 mm²

General data

Mounting rail	TS 35

Power supply

Feed current for IIN (input current path) , max.	5 A	Current consumption from Isys, typ.	116 mA
Supply voltage for outputs	24 V DC +20 %/ -15 %	Supply voltage system and inputs	24 V DC +20 %/ -15 %
Feed current for output current path, max.	5 A		

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System data

Module type	Controller	Interface	2x Ethernet TCP/IP, 1x Micro USB
Number of modules, max.	64	Configuration interface	Micro USB 2.0
Program data memory expansion possible	Yes	Processor	Dual Core ARM Cortex A9, 624 MHz, 512 Mbyte RAM
User data memory size	4 GB	Connection type	PUSH IN
Engineering tool	u-create studio	Programming environment	CoDeSys based
Type of program data memory	DDR4	Memory (Flash)	4 GB, 32 GB via microSD
Real-time clock	Battery buffered	Transmission speed backplane bus, max.	48 MBit/s

Guarantee

Time interval	1 year

Classifications

ETIM 8.0	EC000236	ETIM 9.0	EC000236
ETIM 10.0	EC000236	ECLASS 14.0	27-24-22-07
ECLASS 15.0	27-24-22-07		

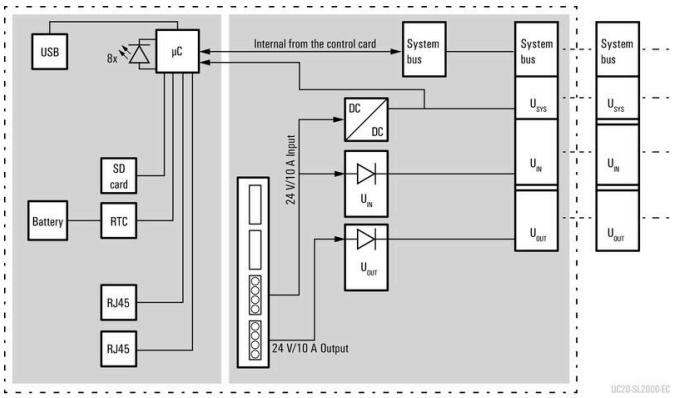
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Drawings

Block diagram, Similar to illustration



Connection diagram

