Data sheet

UC20-SL2000-OLAC-EC-CAN

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

www.weidmueller.com

Product image, Similar to illustration



RoHS COMPLIANT

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, OpenLinux Automation Controller with EtherCAT and CAN interface, Dual Core ARM Cortex A9, 624 MHz, 512 Mbyte RAM, -20 °C...55 °C, IP20
Order No.	2655590000
Type	UC20-SL2000-OLAC-EC-CAN
GTIN (EAN)	4050118681512
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Last order date	2026-12-31T00:00:00+01:00

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Technical data

Approvals

Approvals	
ROHS	Conform
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	232 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
I/O plug-in connector	2 x RJ45 plug-in connectors		

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 %

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Feed current for output current path, max.	5 A		

System data

Module type	Controller	Interface	2x Ethernet TCP/IP, 1x Micro USB, 1x CAN (optional)
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	Field bus protocol	CANopen, EtherCAT
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		

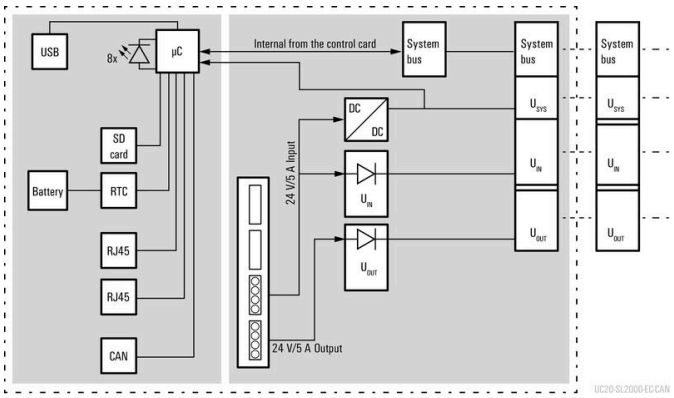
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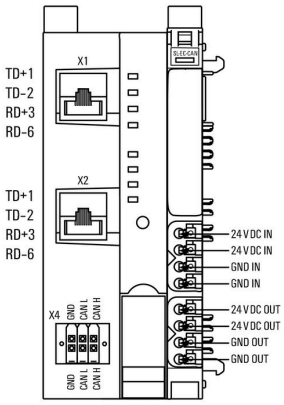
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Drawings

Block diagram, Similar to illustration



Connection diagram, Similar to illustration



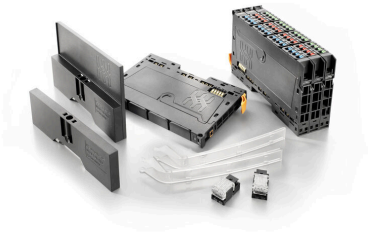
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Accessories

Accessories



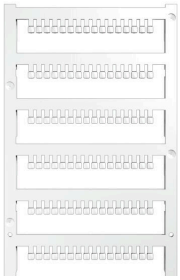
System accessory
Discover a wide range of accessories for your u-remote system - the ideal addition to make your applications even more efficient and flexible.

General ordering data

Type	UR20-EBK-ACC	Version
Order No.	1346610000	End bracket, ,
GTIN (EAN)	4050118151596	
Qty.	5 ST	

Type	UR20-SM-ACC	Version
Order No.	1339920000	Cover, ,
GTIN (EAN)	4050118144727	
Qty.	20 ST	

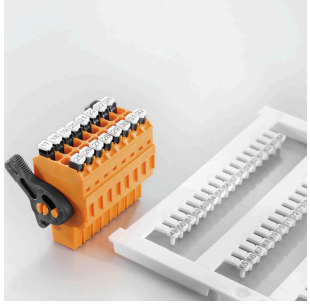
Blank



General ordering data

Type	PM 2.7/2.6 MC NE WS	Version
Order No.	1323710000	OMNIMATE Signal - series PM, Pusher markers, 2.7 x 2.6 mm, Pitch
GTIN (EAN)	4050118126778	in mm (P): 3.50 Weidmueller, white
Qty.	960 ST	

Custom printing



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Accessories

General ordering data

Type	PM 2.7/2.6 MC SDR	Version
Order No.	1323700000	OMNIMATE Signal - series PM, Pusher markers, 2.7 x 2.6 mm, Pitch
GTIN (EAN)	4050118126761	in mm (P): 3.50 Weidmueller, To customer specification
Qty.	192 ST	

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8-11.5 MC NE WS	Version
Order No.	1341630000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4050118145946	Weidmueller, white
Qty.	500 ST	

Custom printing



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
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- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8-11.5 MC SDR	Version
Order No.	1341610000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4050118146059	Weidmueller, To customer specification
Qty.	100 ST	

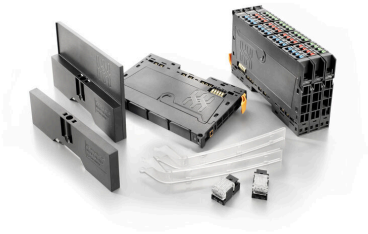
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General ordering data

Type	IE-USB-A-MICRO-1.8M	Version
Order No.	1487980000	USB cable, USB A, USB Micro, PVC, 1.8 m
GTIN (EAN)	4050118298451	
Qty.	1 ST	