Data sheet

# UC20-SL2000-OLAC-EC

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

www.weidmueller.com

## 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, OpenLinux Automation Controller with EtherCAT interface, Dual Core ARM Cortex A9, 624 MHz, 512 Mbyte RAM, -20 °C...55 °C, IP20 |
| Order No. | 2638920000 |
| Type | UC20-SL2000-OLAC-EC |
| GTIN (EAN) | 4050118688641 |
| 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 | 250 g |

### Temperatures

| | |
|---|---|
| Operating temperature | -20 °C...55 °C |

### 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 |

### 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

| | | | |
|---|---|---|---|
| UL 94 flammability rating | V-0 | 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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## Technical data

### 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 | Field bus protocol | 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 | | |

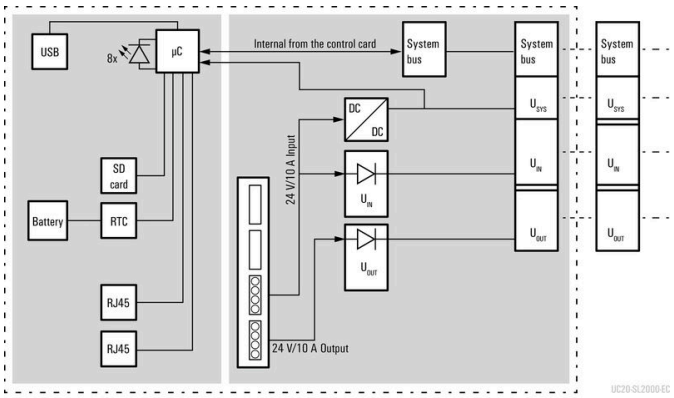
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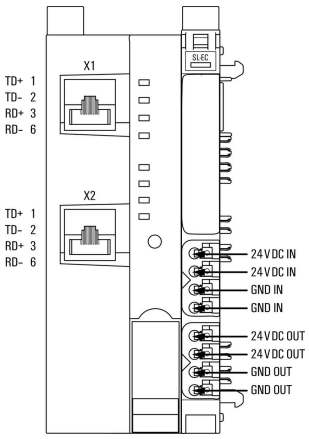
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## Drawings

### Block diagram




### Connection diagram, Similar to illustration



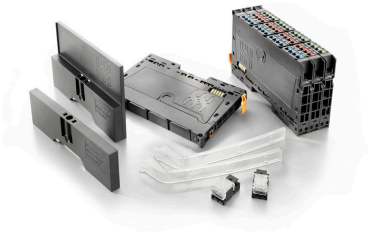
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## Accessories

### Accessories



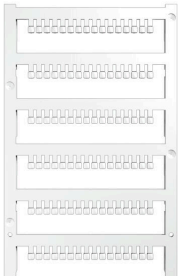
System accessory
Discover a wide range of accessories for your u-remote system - the ideal addition to make your applications even more efficient and flexible.

### 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 | |

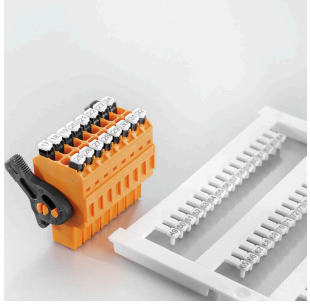
### Blank



### 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.
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 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 | |

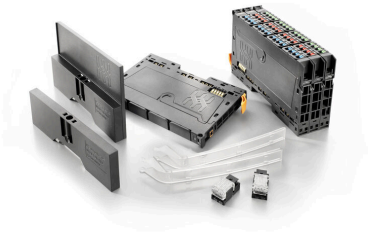
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### General ordering data

| | | |
|---|---|---|
| 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 | |