

**UC20-SL2000-OLAC-EC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image, Similar to illustration**

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, u-control 2000 studio, OpenLinux Automation Controller with EtherCAT interface |
| Order No.  | <a href="#">2638920000</a>                                                                       |
| Type       | UC20-SL2000-OLAC-EC                                                                              |
| GTIN (EAN) | 4050118688641                                                                                    |
| Qty.       | 1 pc(s).                                                                                         |

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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 |
| Mounting dimension - height | 128 mm | Net weight      | 250 g      |
| Width                       | 52 mm  | Width (inches)  | 2.047 inch |

## Connection data

|                    |         |
|--------------------|---------|
| Type of connection | PUSH IN |
|--------------------|---------|

## General data

|      |       |                           |     |
|------|-------|---------------------------|-----|
| Rail | TS 35 | UL 94 flammability rating | V-0 |
|------|-------|---------------------------|-----|

## Power supply

|                                                                                         |                      |          |
|-----------------------------------------------------------------------------------------|----------------------|----------|
| Current consumption from I <sub>IN</sub> (power segment of the field bus coupler), typ. | 116 mA               |          |
| Current consumption from I <sub>IN</sub> (power segment of the fieldbus coupler), typ.  | min.                 | 0 mA     |
|                                                                                         | max.                 | 116 mA   |
|                                                                                         | nominal              | 116 mA   |
| Feed current for I <sub>IN</sub> (input current path)                                   | min.                 | 0 mA     |
|                                                                                         | max.                 | 5,000 mA |
|                                                                                         | nominal              | 5,000 mA |
| Feed current for I <sub>IN</sub> (input current path) , max.                            | 5 A                  |          |
| Feed current for I <sub>OUT</sub> (output current path)                                 | min.                 | 0 mA     |
|                                                                                         | max.                 | 5,000 mA |
|                                                                                         | nominal              | 5,000 mA |
| Feed current for I <sub>OUT</sub> (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 studio                  | Field bus protocol     | EtherCAT                                        |
| Interface                              | 2x Ethernet TCP/IP, 1x Micro USB | Memory (Flash)         | 4 GB, 32 GB via microSD                         |
| Module type                            |                                  | Processor              | Dual Core ARM Cortex A9, 624 MHz, 512 Mbyte RAM |
|                                        | Controller                       |                        |                                                 |
| Programming environment                | CoDeSys 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    |
| 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 |

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Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E141197 |

**Downloads**

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">UC20-SL2000-OLAC-EC</a>                                                                                                                                                                                                                                                                                                                                                                  |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                                                                                                                                                                                                                                 |
| User Documentation                          | <a href="#">u-control Handbuch (Deutsch)</a><br><a href="#">u-control Manual (English)</a><br><a href="#">MAN_U-CREATE_STUDIO_DE</a><br><a href="#">MAN_U-CREATE_STUDIO_EN</a><br><a href="#">UC20-SL2000-OLAC-EC Release Notes</a><br><a href="#">Weidmüller software license agreement V1.0</a><br><a href="#">QGUI u-create studio_EN</a><br><a href="#">Project setup guide: u-create studio</a> |
| Brochure/Catalogue                          | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                             |

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# Drawings

## Connection diagram

