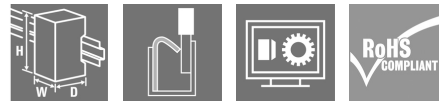


**UR20-16AUX-O****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Potential-distribution modules**

A wide range of accessory modules is available for individual requirements of machine and plant engineering. Various potential distribution modules are available for the supply of sensors with 2- to 4-wire connection technology directly from the remote I/O system. These offer 16 "PUSH IN" potential points and supply your application with any auxiliary potential available. An empty module, where the system bus and voltage supply are looped through, allows you to plan expansion slots in a system and to start these up without any interruptions if required.

**General ordering data**

|                   |                                                                                  |
|-------------------|----------------------------------------------------------------------------------|
| Version           | Remote I/O module, IP20, Potential distributor                                   |
| Order No.         | <a href="#">1334780000</a>                                                       |
| Type              | UR20-16AUX-O                                                                     |
| GTIN (EAN)        | 4050118138214                                                                    |
| Qty.              | 1 pc(s).                                                                         |
| Packaging         | Cardboard box                                                                    |
| Replacement parts | <a href="#">1350930000</a> <a href="#">1347470000</a> <a href="#">1484080000</a> |

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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 |
| Width                       | 11.5 mm | Width (inches)  | 0.453 inch |
| Mounting dimension - height | 128 mm  | Net weight      | 84 g       |

## Temperatures

|                     |                   |                       |                   |
|---------------------|-------------------|-----------------------|-------------------|
| Storage temperature | -40 °C ... +85 °C | Operating temperature | -20 °C ... +60 °C |
|---------------------|-------------------|-----------------------|-------------------|

## Connection data

|                                                      |                     |                                                      |                      |
|------------------------------------------------------|---------------------|------------------------------------------------------|----------------------|
| Number                                               | 16                  | Type of connection                                   | PUSH IN              |
| Wire connection cross section, finely stranded, max. | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min. | 0.14 mm <sup>2</sup> |
| Wire cross-section, finely stranded, min. (AWG)      | AWG 26              | Wire cross-section, solid, max.                      | 1.5 mm <sup>2</sup>  |
| Wire cross-section, solid, max. (AWG)                | AWG 16              | Wire cross-section, solid, min.                      | 0.14 mm <sup>2</sup> |
| Wire cross-section, solid, min. (AWG)                | AWG 26              |                                                      |                      |

## General data

|                          |                                                                                                                      |                           |                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------|
| Air humidity (operation) | 10% to 95%, non-condensing as per DIN EN 61131-2                                                                     | Air humidity (storage)    | 10% to 95%, non-condensing as per DIN EN 61131-2                       |
| Air humidity (transport) | 10% to 95%, non-condensing as per DIN EN 61131-2                                                                     | Air pressure (operation)  | ≥ 795 hPa (height ≤ 2000 m) as per DIN EN 61131-2                      |
| Air pressure (storage)   | 1013 hPa (height 0 m) to 700 hPa (height 3000 m) as per DIN EN 61131-2                                               | Air pressure (transport)  | 1013 hPa (height 0 m) to 700 hPa (height 3000 m) as per DIN EN 61131-2 |
| Pollution severity       | 2                                                                                                                    | Rail                      | TS 35                                                                  |
| Shock                    | 15 g over 11 ms, half sinus wave, acc. to IEC 60068-2-27                                                             | Surge voltage category    | II                                                                     |
| Test voltage             | 500 V                                                                                                                | UL 94 flammability rating | V-0                                                                    |
| Vibration resistance     | 5 Hz ≤ f ≤ 8.4 Hz: 3.5-mm amplitude as per IEC 60068-2-6, 8.4 Hz ≤ f ≤ 150 Hz: 1 g acceleration as per IEC 60068-2-6 |                           |                                                                        |

## Power supply

|                |                                                              |
|----------------|--------------------------------------------------------------|
| Voltage supply | 24 V DC +20 %/ -15 %, from input or output current path / FE |
|----------------|--------------------------------------------------------------|

## System data

|                                               |                                                                                                                                                     |                    |                                    |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------|
| Field bus protocol                            | PROFINET IRT, PROFINET RT, PROFIBUS DP-V1, EtherCAT, Modbus/TCP, EtherNet/IP, CANopen, DeviceNet, POWERLINK, CC-Link, CC-Link IE TSN, IEC 61162-450 | Galvanic isolation | 500 V DC between the current paths |
| Interface                                     | u-remote system bus                                                                                                                                 | Module type        | Auxiliary module                   |
| Transmission speed backplane bus, max.48 Mbit |                                                                                                                                                     |                    |                                    |

Creation date May 15, 2025 9:49:23 PM CEST

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**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001600    | ETIM 7.0    | EC001600    |
| ETIM 8.0    | EC001600    | ETIM 9.0    | EC001600    |
| ETIM 10.0   | EC001600    | ECLASS 9.0  | 27-24-26-10 |
| ECLASS 9.1  | 27-24-26-10 | ECLASS 10.0 | 27-24-26-10 |
| ECLASS 11.0 | 27-24-26-10 | ECLASS 12.0 | 27-24-26-10 |
| ECLASS 13.0 | 27-24-26-10 | ECLASS 14.0 | 27-24-26-10 |
| ECLASS 15.0 | 27-24-26-10 |             |             |

**Tender specification sheets**

|                    |                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Long specification | AUX-O 16-pole potential distribution module from the output current path (24 V) Supply voltage: 24 VDC +25% / -15% Weight: 84 g Brand: Weidmüller Type: UR20-AUX-O |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 7a, 7cl                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 82327f13-cd27-455a-ab5b-a62e1996dcf8 |

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## Technical data

## Approvals

Approvals



Approvals MAMID

[https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319212/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319212/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319215/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319215/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319217/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319220/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319220/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319224/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319224/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319228/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_322323/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_322323/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319213/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319234/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319240/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319245/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319245/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319247/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319247/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319249/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319249/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319253/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319253/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319255/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319255/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319260/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/)

|                           |            |
|---------------------------|------------|
| ROHS                      | Conform    |
| UL File Number Search     | UL Website |
| Certificate no. (cULus)   | E141197    |
| Certificate no. (cULusEX) | E223527    |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">KC certificate</a><br><a href="#">Compass safe distance certificate</a><br><a href="#">Lloyds Register certificate</a><br><a href="#">DNV certificate</a><br><a href="#">ABS certificate</a><br><a href="#">RINA certificate</a><br><a href="#">Bureau Veritas - Type Approval Certificate</a><br><a href="#">PRS (Polish Register of Shipping)</a><br><a href="#">NIPPON KAIJI KYOKAI Certificate - ClassNK</a><br><a href="#">DEMKO 15ATEX 1525X</a><br><a href="#">KR Korean register certificate</a><br><a href="#">CCS certificate</a><br><a href="#">CE Declaration of Conformity - DE</a><br><a href="#">UKCA Declaration of Conformity - EN</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a><br><a href="#">Compatibility information – Combinability of UR20</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| User Documentation                          | <a href="#">Handbuch u-remote DE</a><br><a href="#">Manual u-remote EN</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

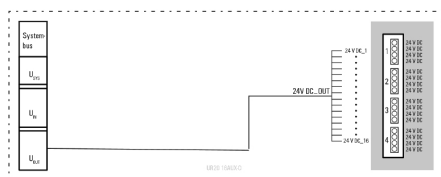
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**Drawings**
**Block diagram**

**Connection diagram**
