Data sheet

# UR20-FBC-DN

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

www.weidmueller.com



More performance. Simplified.
u-remote.Weidmuller u-remote – our innovative remote I/O concept with IP 20 which focuses purely on user benefits: tailored planning, faster installation, safer start-up, and no more downtime for considerably improved performance and greater productivity.
Reduce the size of your cabinets with u-remote, thanks to the narrowest modular design on the market and the need for fewer power-feed modules. Our u-remote technology offers tool-free assembly while the modular “sandwich” design and integrated web server speed up installation, both in the cabinet and machine. Status LEDs on the channel and each u-remote module enable reliable diagnosis and rapid service.
Our products boost the availability of your machines and systems, and ensure smooth processes, from planning to operation.
u-remote stands for “More Performance.” Simplified.

## General ordering data

| | |
|---|---|
| Version | Remote I/O fieldbus coupler, IP20, DeviceNet |
| Order No. | 1334900000 |
| Type | UR20-FBC-DN |
| GTIN (EAN) | 4050118138252 |
| Qty. | 1 items |

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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 | 220 g |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -40 °C ... +85 °C | Operating temperature | -20 °C...60 °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 | 98e19a7e-033b-4e68-93e3-c47b30de875e |

### Connection data

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

### General data

| | | | |
|---|---|---|---|
| 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 | UL 94 flammability rating | V-0 |
| Test voltage | 500 V | Surge voltage category | II |
| Pollution severity | 2 | Mounting rail | TS 35 |
| Air pressure (operation) | ≥ 795 hPa (height ≤ 2000 m) as per DIN EN 61131-2 | Air humidity (transport) | 10% to 95%, non-condensing as per DIN EN 61131-2 |

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| | | | |
|---|---|---|---|
| Air pressure (transport) | 1013 hPa (height 0 m) to 700 hPa (height 3000 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 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 |
| Shock | 15 g over 11 ms, half sinus wave, acc. to IEC 60068-2-27 | | |

### Power supply

| | | | |
|---|---|---|---|
| Supply voltage | 24 V DC +20 %/ -15 %, via the system bus | Feed current for the system, max. | 4 A |
| Feed current for IIN (input current path) , max. | 10 A | Current consumption from Isys, typ. | 75 mA (+15 mA from DeviceNet supply) |
| Supply voltage for outputs | 24 V DC +20 %/ -15 % | Supply voltage system and inputs | 24 V DC +20 %/ -15 % |
| Feed current for IOUT (output current path) , max. | 10 A | | |

### System data

| | | | |
|---|---|---|---|
| Module type | Bus coupler | Interface | u-remote system bus |
| Process data | 1008 Byte | max. number of modules | 64 |
| Configuration interface | Micro USB 2.0 | Connection type | Socket for 5-pole PCB plug-in connector |
| Field bus protocol | DeviceNet | Transmission rate of field bus, max. | 500 kbit/s |
| Transmission speed of system bus, max. | 48 Mbit/s | Parameter data | 4 kByte |
| Diagnostic data | 3008 Byte | | |

### Important note

| | |
|---|---|
| Product information | The matching end brackets are included with the coupler. |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC001603 | ETIM 7.0 | EC001603 |
| ETIM 8.0 | EC001603 | ETIM 9.0 | EC001603 |
| ETIM 10.0 | EC001603 | ECLASS 9.0 | 27-24-26-07 |
| ECLASS 9.1 | 27-24-26-07 | ECLASS 10.0 | 27-24-26-07 |
| ECLASS 11.0 | 27-24-26-07 | ECLASS 12.0 | 27-24-26-07 |
| ECLASS 13.0 | 27-24-26-07 | ECLASS 14.0 | 27-24-26-07 |
| ECLASS 15.0 | 27-24-26-07 | | |

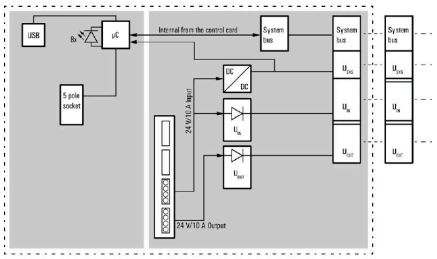
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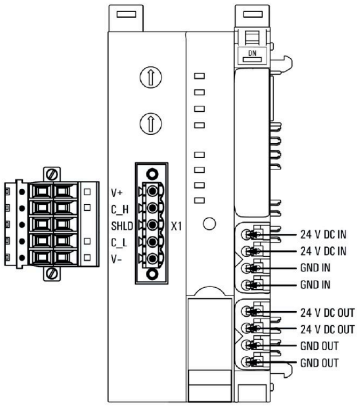
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# Drawings

## Block diagram




## Connection diagram




## Explanation of abbreviations

