

**UR20-FBC-EC-ECO**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)


More performance. Simplified.

u-remote.Weidmüller 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, Ethernet, EtherCAT |
| Order No.  | <a href="#">2659690000</a>                            |
| Type       | UR20-FBC-EC-ECO                                       |
| GTIN (EAN) | 4050118674064                                         |
| Qty.       | 1 items                                               |

## UR20-FBC-EC-ECO

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

## 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 |
| Net weight | 247 g  |                 |             |

## Temperatures

|                     |                   |                       |              |
|---------------------|-------------------|-----------------------|--------------|
| Storage temperature | -40 °C ... +85 °C | Operating temperature | 0 °C...50 °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                                 | 98e19a7e-033b-4e68-93e3-c47b30de875e                                  |

## Connection data

|                                                                           |                                                                          |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Wire cross-section, finely stranded, max. AWG 16 (AWG)                    | Wire cross-section, finely stranded, min. AWG 26 (AWG)                   |
| 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 mm <sup>2</sup>                      |
| Wire cross-section, solid, min. 0.14 mm <sup>2</sup>                      | 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> |                                                                          |

## 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                                                                     |
| 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                                                                     | 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               |

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## 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), 10 A max. |                                          | Current consumption from Isys, typ. | 80 mA |
| Supply voltage system and inputs                     | 24 V DC +20 %/ -15 %                     |                                     |       |

## System data

|                                      |                            |                                        |                     |
|--------------------------------------|----------------------------|----------------------------------------|---------------------|
| Module type                          | Bus coupler                | Interface                              | u-remote system bus |
| Process data                         | 1024 Byte                  | max. number of modules                 | 16                  |
| Connection type                      | 2x RJ45 plug-in connectors | Field bus protocol                     | EtherCAT            |
| Transmission rate of field bus, max. | 100 Mbit/s                 | Transmission speed of system bus, max. | 48 Mbit/s           |
| Parameter data                       | 1024 Byte                  | Diagnostic data                        | 800 Byte            |

## Important note

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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001603    | ETIM 9.0    | EC001603    |
| ETIM 10.0   | EC001603    | ECLASS 14.0 | 27-24-26-07 |
| ECLASS 15.0 | 27-24-26-07 |             |             |

