

## Remote-I/O - u-remote UR20-FBC-EC

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### 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, 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 also 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.

This and many other amazing ideas boost the availability of your machines and systems. And ensure smooth processes too. From planning to operation.

u-remote stands for "More Performance". Simplified

#### General ordering data

Type	UR20-FBC-EC
Order No.	<a href="#">1334910000</a>
Version	Remote I/O fieldbus coupler, IP20, Ethernet, EtherCAT
GTIN (EAN)	4050118138283

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**Technical data**
**Dimensions and weights**

Width	52 mm	Width (inches)	2.047 inch
Height	120 mm	Height (inches)	4.724 inch
Depth	76 mm	Depth (inches)	2.992 inch
Mounting dimension - height	128 mm	Weight	247 g
Net weight	321 g		

**Temperatures**

Operating temperature	-20 °C ... +60 °C	Storage temperature	-40 °C ... +85 °C
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**Connection data**

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, max. (AWG)	AWG 16
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	Shock	15 g über 11 ms, halbe Sinuswelle, gem. 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**

Current consumption from I <sub>IN</sub> (power segment of the field bus coupler), typ.	130 mA	Feed current for I <sub>IN</sub> (input current path), max.	10 A
Feed current for I <sub>OUT</sub> (output current path), max.	10 A	Feed current for the system, max.	4 A
Supply voltage	24 V DC +20%/ -15%, via the system bus	Supply voltage for outputs	24 V DC +20%/ -15%
Supply voltage system and inputs	24 V DC +20%/ -15%		

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## Technical data

### System data

Configuration interface	Micro USB 2.0	Connection type	2 x RJ45 plug-in connectors
Diagnostic data	3,200 Byte	Field bus protocol	EtherCAT
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	4 kByte	Process data	1,024 Byte
Transmission speed of system bus, max.	48 Mbit/s	max. number of modules	64

### Classifications

ETIM 4.0	EC001599	ETIM 5.0	EC001599
ETIM 6.0	EC001603	eClass 6.2	27-24-26-10
eClass 7.1	27-24-26-10	eClass 8.1	27-24-26-10
eClass 9.0	27-24-26-10	eClass 9.1	27-24-26-08

### Product information

Descriptive text ordering data	A termination kit (UR20-EBK-ACC) is included in the coupler package
Descriptive text technical data	Download of ESI-file on <a href="http://www.weidmueller.com">www.weidmueller.com</a>
Descriptive text accessories	1 roll = 1000 label = 1 Qty. 1 sheet = 60 label = 1 Qty.

### Approvals

Approvals



ROHS	Conform
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### Downloads

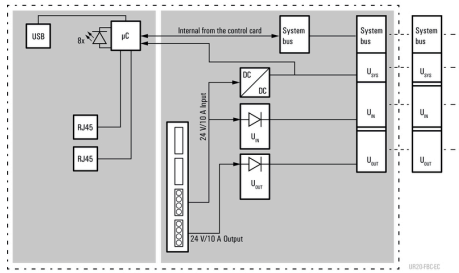
Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT U_REMOTE 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Software	<a href="#">Firmware EtherCAT Coupler ver. 01.05.01</a>
User Documentation	<a href="#">Manual</a>

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**Drawings**

**Block diagram**



**Connection diagram**

