

## UR20-FBC-EIP-ECO

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

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

### Product image



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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

Version	Remote I/O fieldbus coupler, IP20, Ethernet, EtherNet/IP
Order No.	<a href="#">2799510000</a>
Type	UR20-FBC-EIP-ECO
GTIN (EAN)	4064675261544
Qty.	1 pc(s).
Replacement parts	<a href="#">2832900000</a>

## UR20-FBC-EIP-ECO

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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	52 mm	Width (inches)	2.047 inch
Net weight	247 g		

## Temperatures

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
Shock	15 g over 11 ms, half sinus wave, acc. to IEC 60068-2-27	Test voltage	500 V
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>sys</sub> , typ.	61 mA	
Feed current for I <sub>IN</sub> (input current path)	max.	10,000 mA
	nominal	10,000 mA
	min.	10,000 mA
Feed current for I <sub>IN</sub> (input current path), max.	10 A	
Feed current for the system, max.	4 A	
Supply voltage system and inputs	24 V DC +20 %/ -15 %	
Voltage supply	24 V DC +20 %/ -15 %, via the system bus	

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## System data

Connection type	2x RJ45 plug-in connectors	Diagnostic data	752 Byte
Field bus protocol	EtherNet/IP	Fieldbus interface	Full / Half Duplex, Auto MDI/X, Autonegotiation
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	1,024 Byte	Process data	988 Byte
Transmission rate of field bus, max.	100 Mbit/s	Transmission speed of system bus, max.	48 Mbit/s
max. number of modules	16		

## Classifications

ETIM 6.0	EC001603	ETIM 7.0	EC001603
ETIM 8.0	EC001603	ETIM 9.0	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

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	82327f13-cd27-455a-ab5b-a62e1996dcf8

## Approvals

Approvals



ROHS Conform

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">KC certificate</a> <a href="#">CCC certificate</a> <a href="#">UKCA Declaration of Conformity - EN</a> <a href="#">CE Declaration of Conformity - DE</a>
Engineering Data	<a href="#">Compatibility information – Combinability of UR20</a> <a href="#">CAD data – STEP</a> <a href="#">Application notes – UR20-EIP Importing module data from the u-remote web server into Studio 5000</a>
Product Change Notification	<a href="#">Release-Notes - Firmware, EDS and Supported modules list</a>
Software	<a href="#">Library and function block – Language Pack UR20_FBC</a> <a href="#">Device description – Current EDS files EtherNet/IP-ECO coupler</a> <a href="#">Firmware – Current firmware files EtherNet/IP-ECO coupler</a> <a href="#">Software – CIP Bridging</a>
User Documentation	<a href="#">MAN_U-REMOTE_DE</a> <a href="#">MAN_U-REMOTE_EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

Creation date February 20, 2024 12:27:25 PM CET

Catalogue status 10.02.2024 / We reserve the right to make technical changes.

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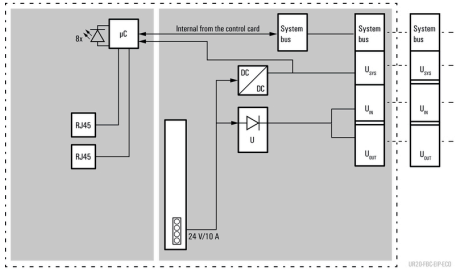
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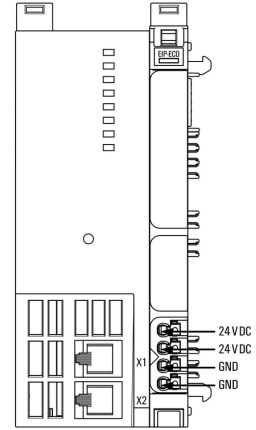
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Drawings

Block diagram

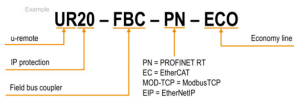


Connection diagram



Explanation of abbreviations

Field bus coupler ECO



**Data sheet****UR20-FBC-EIP-ECO**

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**Replacement parts****Plugkit****General ordering data**

Type	UR20-PK-2799510000-SP
Order No.	<a href="#">2832900000</a>
GTIN (EAN)	4064675418696
Qty.	1 pc(s).

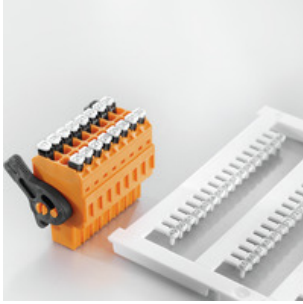
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**Accessories**

**Custom printing**



**General ordering data**

Type	PM 2.7/2.6 MC SDR	Version
Order No.	<a href="#">1323700000</a>	OMNIMATE Signal - series PM, Pusher markers, 2.7 x 2.6 mm, Pitch in
GTIN (EAN)	4050118126761	mm (P): 3.50 Weidmueller, To customer specification
Qty.	192 pc(s).	

**Custom printing**



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

Type	DEK 5/8-11.5 MC SDR	Version
Order No.	<a href="#">1341610000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4050118146059	Weidmueller, To customer specification
Qty.	100 pc(s).	

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## Accessories

## Accessories

**System accessory**

Discover a wide range of accessories for your u-remote system - the ideal addition to make your applications even more efficient and flexible.

**General ordering data**

Type	IE-USB-A-MICRO-1.8M	Version
Order No.	<a href="#">1487980000</a>	USB cable, USB A, USB Micro, PVC, 1.8 m
GTIN (EAN)	4050118298451	
Qty.	1 pc(s).	
Type	UR20-EBK-ACC	Version
Order No.	<a href="#">1346610000</a>	End bracket, ,
GTIN (EAN)	4050118151596	
Qty.	5 pc(s).	
Type	UR20-SM-ACC	Version
Order No.	<a href="#">1339920000</a>	Cover, ,
GTIN (EAN)	4050118144727	
Qty.	20 pc(s).	

**Blank****General ordering data**

Type	PM 2.7/2.6 MC NE WS	Version
Order No.	<a href="#">1323710000</a>	OMNIMATE Signal - series PM, Pusher markers, 2.7 x 2.6 mm, Pitch in
GTIN (EAN)	4050118126778	mm (P): 3.50 Weidmueller, white
Qty.	960 pc(s).	

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**Accessories**

**Blank**



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**General ordering data**

Type	DEK 5/8-11.5 MC NE WS	Version	
Order No.	<a href="#">1341630000</a>		Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4050118145946		Weidmueller, white
Qty.	500 pc(s).		