

**Automation Products - u-remote IP20
UR20-FBC-EC**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image**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.	1334910000
Version	Remote I/O fieldbus coupler, IP20, Ethernet, EtherCAT
GTIN (EAN)	4050118138283
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	52	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	227 g		

Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-20 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-20 °C ... +60 °C	Storage temperature	-40 °C ... +85 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Connection data

Type of connection	PUSH IN	Wire connection cross section, finely stranded, max.	1.5 mm ²
Wire connection cross-section, finely stranded, min.	0.14 mm ²	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 ²
Wire cross-section, solid, max. (AWG)	AWG 16	Wire cross-section, solid, min.	0.14 mm ²
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 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

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

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 ST

Classifications

ETIM 6.0	EC001603	ETIM 7.0	EC001603
eClass 9.0	27-24-26-07	eClass 9.1	27-24-26-07
eClass 10.0	27-24-26-07		

Approvals

Approvals



ROHS	Conform
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Technical data

Downloads

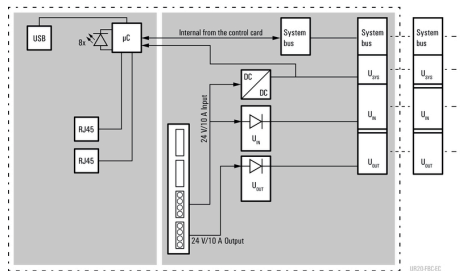
Approval/Certificate/Document of Conformity	Declaration of Conformity Compass safe distance certificate Lloyds Register certificate DNV/GL certificate ABS certificate RINA certificate Bureau Veritas - Type Approval Certificate PRS (Polish Register of Shipping) NIPPON KAIJI KYOKAI Certificate
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	TwinCAT - Version 2 CoDeSys - Version 3 OMRON - Sysmac Studio TwinCAT - Version 3
Product Change Notification	Release-Notes - ESI Release-Notes - ESI TwinCAT Release-Notes - Firmware and Supported modules list
Software	Language Pack UR20_FBC Archiv Firmware files EtherCAT coupler HW1 Current Firmware file EtherCAT coupler HW1 Archiv ESI files EtherCAT coupler HW1 Current ESI file EtherCAT coupler HW1 Archiv Firmware files EtherCAT coupler HW2 Current Firmware file EtherCAT coupler HW2 Archiv ESI files EtherCAT coupler HW2 Current ESI file EtherCAT coupler HW2 USB driver
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN MAN_U-REMOTE_FS_DE MAN_U-REMOTE_FS_EN MAN_UR20_WEBSERVER_DE MAN_UR20_WEBSERVER_EN

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Drawings

Block diagram



Connection diagram

