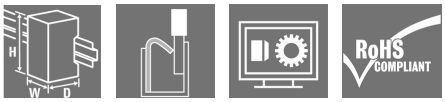
UR20-FBC-EIP

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

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

Version	Remote I/O fieldbus coupler, IP20, Ethernet, EtherNet/IP
Order No.	1334920000
Type	UR20-FBC-EIP
GTIN (EAN)	4050118138160
Qty.	1 pc(s).
Replacement parts	1541290000

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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
Mounting dimension - height	128 mm	Weight	247 g
Net weight	223 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Connection data

Type of connection	PUSH IN	Wire connection cross section, finely stranded, max.	1.5 mm²
Wire connection cross section, finely stranded, min.	0.14 mm²	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 mm²
Wire cross-section, solid, max. (AWG)	AWG 16	Wire cross-section, solid, min.	0.14 mm²
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		
Rail	TS 35		
Restricted area	Negative expansion	X coordinate	-28 mm
		Y coordinate	-40 mm
		Z coordinate	0 mm
	Positive expansion	Z coordinate	85 mm
		X coordinate	83.5 mm
		Y coordinate	160 mm
	Type of restricted area	thermal	
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_{sys}, typ.	112 mA	
Feed current for I_{IN} (input current path)	max.	10,000 mA
	nominal	10,000 mA
	min.	10,000 mA

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Technical data

Feed current for I_{IN} (input current path) , max.	10 A	
Feed current for I_{OUT} (output current path)	min.	10,000 mA
	max.	10,000 mA
	nominal	10,000 mA
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	

System data

Configuration interface	Micro USB 2.0	Connection type	2 x RJ45 plug-in connectors
Diagnostic data	3,008 Byte	Field bus protocol	EtherNet/IP
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	4 kByte	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	64 ST		

Classifications

ETIM 6.0	EC001603	ETIM 7.0	EC001603
ETIM 8.0	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		

Approvals

Approvals

ROHS	Conform
UL File Number Search	E141197

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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	Compatibility information – Combinability of UR20 Quick start guide – UR20-FBC-EIP (all variants) Quick Start Guide - Commissioning with Allen-Bradley MicroLogix 1400
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	Release-Notes - EDS Release-Notes - Firmware and Supported modules list
Software	Firmware – Application_Note_Firmwareupdate_UR20_coupler_EN Firmware – Application_Note_Firmwareupdate_UR20_coupler_DE Library – Language_Pack_UR20_FBC Firmware – Archiv Firmware files EtherNet/IP coupler HW1 Firmware – Current Firmware file EtherNet/IP coupler HW1 Device description – Archiv EDS files EtherNet/IP coupler HW1 Device description – Current EDS file EtherNet/IP coupler HW1 Firmware – Archiv Firmware files EtherNet/IP coupler HW2 Firmware – Current Firmware files EtherNet/IP coupler HW2 Device description – Archiv EDS files EtherNet/IP coupler HW2 Device description – Current EDS file EtherNet/IP coupler HW2 Driver – USB driver Software unit – CIP Bridging
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN MAN_UR20_WEBSERVER_DE MAN_UR20_WEBSERVER_EN 211018_Security_Advisory_Remote_IO_fieldbus_couplers_IP20_affected_by_INFRA_HALT_vulnerabilities
Catalogues	Catalogues in PDF-format

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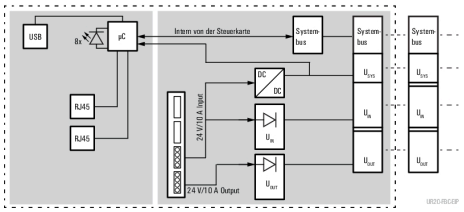
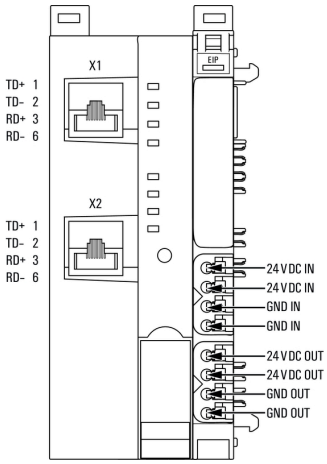
Drawings

Block diagram



Connection diagram