

## UR20-FBC-MOD-TCP-V2

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

www.weidmueller.com

### Product image, Similar to illustration



Similar to illustration



### 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, Modbus/TCP
Order No.	<a href="#">2476450000</a>
Type	UR20-FBC-MOD-TCP-V2
GTIN (EAN)	4050118487367
Qty.	1 pc(s).

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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
Mounting dimension - height	128 mm	Net weight	223 g
Width	52 mm	Width (inches)	2.047 inch

## Temperatures

Storage temperature	-40 °C ... +85 °C	Operating temperature	-20 °C ... +60 °C
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## 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 <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		
Rail	TS 35		
Restricted area	Negative expansion	X coordinate	-28 mm
		Z coordinate	0 mm
		Y coordinate	-40 mm
	Positive expansion	Z coordinate	85 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 <sub>N</sub> (power segment of the field bus coupler), typ.	112 mA		
Current consumption from I <sub>N</sub> (power segment of the fieldbus coupler), typ.	max.	112 mA	
	nominal	112 mA	
	min.	112 mA	

Creation date 02 December 2020 09:20:40 CET

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Feed current for I <sub>IN</sub> (input current path)	nominal	10,000 mA
	min.	10,000 mA
	max.	10,000 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.	10,000 mA
	min.	10,000 mA
	nominal	10,000 mA
Feed current for I <sub>OUT</sub> (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	1,024 Byte	Field bus protocol	Modbus/TCP
Fieldbus interface	Full / Half Duplex, Auto MDI/X, Autonegotiation	Galvanic isolation	Yes, between field and system bus
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	1,024 Byte	Process data	8 kByte
Transmission rate of field bus, max.	100 Mbit/s	Transmission speed of system bus, max.	48 Mbit/s
max. number of modules	64		

## 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	eClass 11.0	27242607

## Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

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## Technical data

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a> <a href="#">Compass safe distance certificate</a> <a href="#">Lloyds Register certificate</a> <a href="#">DNV/GL certificate</a> <a href="#">ABS certificate</a> <a href="#">RINA certificate</a> <a href="#">Bureau Veritas - Type Approval Certificate</a> <a href="#">PRS (Polish Register of Shipping)</a> <a href="#">NIPPON KAIJI KYOKAI Certificate</a>
Engineering Data	<a href="#">STEP</a> <a href="#">Schneider - UnityProS</a>
Product Change Notification	<a href="#">Release-Notes - Firmware and Supported modules list</a>
Software	<a href="#">Language Pack UR20_FBC</a> <a href="#">Archiv Firmware files Modbus V2 coupler</a> <a href="#">Current Firmware file Modbus V2 coupler</a> <a href="#">USB driver</a>
User Documentation	<a href="#">MAN_U-REMOTE_DE</a> <a href="#">MAN_U-REMOTE_EN</a> <a href="#">MAN_UR20_WEBSERVER_DE</a> <a href="#">MAN_UR20_WEBSERVER_EN</a>

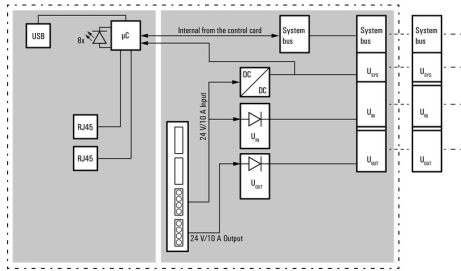
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**Drawings**

**Block diagram**



**Connection diagram**

