

**UR20-FBC-CAN****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 down-time. 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, CANopen
Order No.	<a href="#">1334890000</a>
Type	UR20-FBC-CAN
GTIN (EAN)	4050118138313
Qty.	1 pc(s).
Replacement parts	<a href="#">2003530000</a>

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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	Net weight	220 g

## Temperatures

Storage temperature	-40 °C ... +85 °C	Operating temperature	-20 °C ... +60 °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	Rail	TS 35
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>sys</sub> , typ.	90 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 I <sub>OUT</sub> (output current path)	min. 10,000 mA
	nominal 10,000 mA
	max. 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 %

Creation date May 6, 2024 6:09:14 AM CEST

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## Technical data

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	SUB-D9 (male plug)
Diagnostic data	244 Byte	Field bus protocol	CANopen
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	244 Byte	Process data	488 Byte
Transmission rate of field bus, max.	1 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
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 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	6e2691a1-14ad-497d-95a2-4457373ed84f

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

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## Technical data

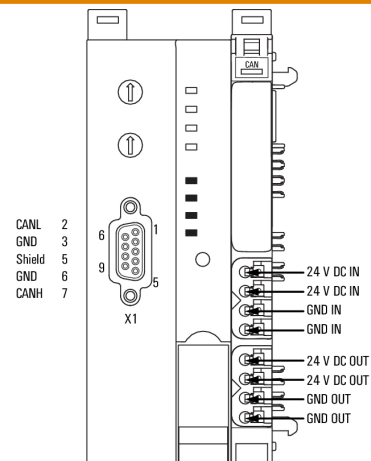
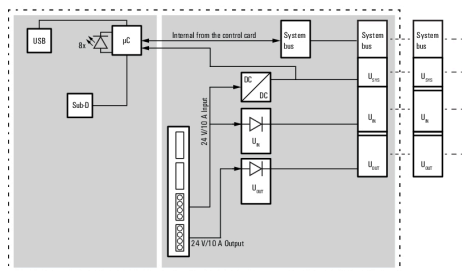
## Downloads

Approval/Certificate/Document of Conformity	<a href="#">KC certificate</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> <a href="#">WI13ATEX0002 Power Calc</a> <a href="#">DEMKO15ATEX1525X</a> <a href="#">CCC certificate</a> <a href="#">UR20 coupler CCC certificate</a> <a href="#">CCS certificate</a> <a href="#">UKCA Declaration of Conformity - EN</a> <a href="#">CE Declaration of Conformity - DE</a>
Engineering Data	<a href="#">CAD data – STEP</a> <a href="#">Compatibility information – Combinability of UR20</a>
Engineering Data	<a href="#">Zuken E3.S</a>
Product Change Notification	<a href="#">Release-Notes - Firmware, EDS and Supported modules list</a>
Software	<a href="#">Firmware – Application Note Firmwareupdate UR20 coupler_EN</a> <a href="#">Firmware – Application Note Firmwareupdate UR20 coupler_DE</a> <a href="#">Library and function block – Language Pack UR20_FBC</a> <a href="#">Firmware – Archiv Firmware files CAN coupler</a> <a href="#">Firmware – Current Firmware file CAN coupler</a> <a href="#">Device description – Archiv EDS files CAN coupler</a> <a href="#">Device description – Current EDS file CAN coupler</a> <a href="#">Driver – 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> <a href="#">20211018 Security Advisory – Remote I/O fieldbus couplers (IP20) affected by INFRA:HALT vulnerabilities</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings

### Connection diagram



## Explanation of abbreviations

**UR20 – FBC – EIP – V2**

Example

u-remote

IP protection

Field bus coupler

Version 2

PN-IRT = PROFINET IRT  
PB-DP = PROFIBUS DP  
EC = EtherCAT  
MOD-TCP = ModbusTCP  
EIP = EtherNet/IP  
CAN = CANopen  
DN = DeviceNet  
CC = CC-Link  
CC-TSN = CC-Link IE TSN  
PL = POWERLINK  
IEC61162-450