

## UR20-FBC-PB-DP-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, PROFIBUS DP-V1
Order No.	<a href="#">2614380000</a>
Type	UR20-FBC-PB-DP-V2
GTIN (EAN)	4050118624977
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
Width	52 mm	Width (inches)	2.047 inch
Mounting dimension - height	128 mm	Net weight	247 g

## Temperatures

Storage temperature	-40 °C ... +85 °C	Operating temperature	-20 °C ... +60 °C
Operating temperature, min.	-20 °C	Operating temperature, max.	60 °C
Humidity	10...90 %, no condensation		

## 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)	nominal	10,000 mA
	max.	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)	nominal	10,000 mA
	max.	10,000 mA
	min.	10,000 mA

Creation date August 18, 2023 6:40:54 AM CEST

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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	9-pole SUB-D socket (female)
Diagnostic data	244 Byte	Field bus protocol	PROFIBUS DP-V1
Galvanic isolation	Yes, between field and system bus	Interface	u-remote system bus
Module type	Bus coupler	Parameter data	244 Byte
Process data	488 Byte	Transmission rate of field bus, max.	12 Mbit/s
Transmission speed of system bus, max.	48 Mbit	max. number of modules	64

### 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	ECLASS 12.0	27-24-26-07

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	98e19a7e-033b-4e68-93e3-c47b30de875e

### Approvals

Approvals



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

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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">KC certificate</a> <a href="#">RINA certificate</a> <a href="#">WI13ATEX0002 Power Calc</a> <a href="#">DEMKO15ATEX1525X</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="#">Library and function block – Beckhoff TwinCAT3 - EN - V1.1.0</a> <a href="#">Library and function block – Siemens TIA Portal V15.1 - EN - V0.5.0</a> <a href="#">Compatibility information – Combinability of UR20</a> <a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN</a>
Product Change Notification	<a href="#">Release-Notes - Firmware, GSDML and Supported modules list</a>
Software	<a href="#">Library and function block – Language_Pack_UR20_FBC</a> <a href="#">Device description – Current GSD file PROFIBUS V2 coupler</a> <a href="#">Driver – USB driver</a> <a href="#">Runtime Software – CPD-Tool (PROFIsafe_parameter-checksum-generator)</a> <a href="#">Firmware – Current Firmware file Profibus-DP coupler HW2</a> <a href="#">Firmware – Archiv Firmware file Profibus-DP coupler HW2</a> <a href="#">Device description – Archiv GSD file PROFIBUS V2 coupler</a>
User Documentation	<a href="#">MAN_U-REMOTE_DE</a> <a href="#">MAN_U-REMOTE_EN</a> <a href="#">MAN_U-REMOTE_FS_DE</a> <a href="#">MAN_U-REMOTE_FS_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>

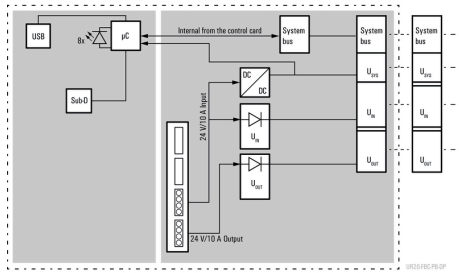
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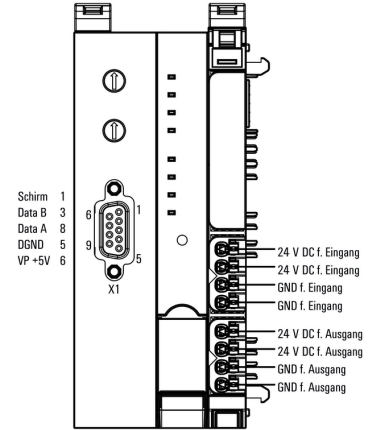
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**Drawings**

**Block diagram, Similar to illustration**



**Connection diagram**



**Explanation of abbreviations**

**Field bus coupler**

