

UR20-FBC-PB-DP-V2**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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, and 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 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.

Our products boost the availability of your machines and systems, and ensure smooth processes, 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.	2614380000
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
Humidity	10...90 %, no condensation		

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	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 _{sys} , typ.	90 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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Technical data**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	ETIM 9.0	EC001603
ETIM 10.0	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	ECLASS 14.0	27-24-26-07
ECLASS 15.0	27-24-26-07		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	98e19a7e-033b-4e68-93e3-c47b30de875e

Important note

Product information	The matching end brackets are included with the coupler.
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Approvals



Approvals MAMID

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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	KC certificate Lloyds Register certificate DNV certificate RINA certificate WI13ATEX0002 Power Calc DEMKO15ATEX1525X KR Korean register certificate CCC certificate UR20 coupler CCC certificate CCS certificate CCS certificate UKCA Declaration of Conformity - EN CE Declaration of Conformity - DE
Engineering Data	Library and function block – u-remote UR20 Library for Siemens TIA Portal V16 - EN - Version 1.0.2 Compatibility information – Combinability of UR20 CAD data – STEP
Product Change Notification	Release-Notes - Firmware, GSDML and Supported modules list
Software	Library and function block – Language Pack UR20 FBC Device description – Current GSD file PROFIBUS V2 coupler Driver – USB driver Runtime Software – CPD-Tool PROFIsafe parameter checksum generator Firmware – Current Firmware file Profibus-DP coupler HW2 Firmware – Archiv Firmware file Profibus-DP coupler HW2 Device description – Archiv GSD file PROFIBUS V2 coupler
User Documentation	Handbuch u-remote DE Manual u-remote EN MAN_U-REMOTE_FS_DE MAN_U-REMOTE_FS_EN MAN_UR20_WEBSERVER_DE MAN_UR20_WEBSERVER_EN 20211018 Security Advisory – Remote I/O fieldbus couplers (IP20) affected by INFRA:HALT vulnerabilities Security Data Sheet u-remote FB Coupler V1.0 Application notes – Industrial Product Security Guideline
Catalogues	Catalogues in PDF-format

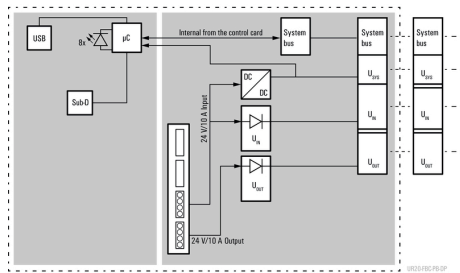
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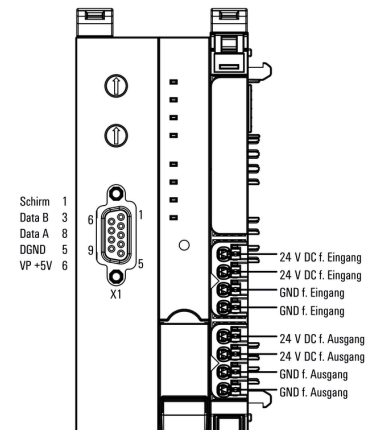
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Drawings

Block diagram, Similar to illustration



Connection diagram



Explanation of abbreviations

