

## UR20-FBC-PN-IRT-V2

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

### Product image, Similar to illustration



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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 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, PROFINET IRT
Order No.	<a href="#">2566380000</a>
Type	UR20-FBC-PN-IRT-V2
GTIN (EAN)	4050118576030
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
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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	
		Y coordinate	-40 mm	
		Z coordinate	0 mm	
	Positive expansion	Type of restricted area		thermal
		X coordinate	83.5 mm	
		Y coordinate	160 mm	
Z coordinate	85 mm			
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.	100 mA		
Feed current for I <sub>IN</sub> (input current path)	nominal	10,000 mA	
	max.	10,000 mA	
	min.	10,000 mA	

Creation date 03 June 2022 13:10:59 CEST

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Feed current for  $I_{IN}$  (input current path), 10 A max.

Feed current for $I_{OUT}$ (output current path)	max.	10,000 mA
	min.	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	2x RJ45 plug-in connectors
Diagnostic data	1,485 Byte	Fast Startup	Yes
Field bus protocol	PROFINET IRT	Interface	u-remote system bus
Module type	Bus coupler	Parameter data	1,485 Byte
Process data	1,024 Byte	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
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

## Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a> <a href="#">RINA certificate</a> <a href="#">Bureau Veritas - Type Approval Certificate DEMKO15ATEX1525X</a> <a href="#">CCC certificate</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>
Product Change Notification	<a href="#">Release-Notes - GSDML</a> <a href="#">Release-Notes - Firmware 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 – Current Firmware file PROFINET V2 coupler</a> <a href="#">Device description – Current GSDML file PROFINET V2 coupler</a> <a href="#">Driver – USB driver</a> <a href="#">Runtime Software – CPD-Tool (PROFIsafe parameter-checksum-generator)</a> <a href="#">Firmware – Archiv Firmware files Profinet-IRT coupler HW2</a> <a href="#">Device description – Archiv GSDML files Profinet-IRT coupler HW2</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="#">211018 Security Advisory Remote IO fieldbus couplers IP20 affected by INFRA HALT vulnerabilities</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

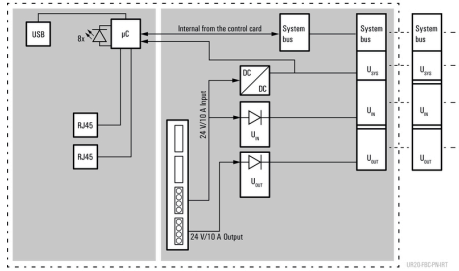
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**Drawings**

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**Block diagram, Similar to illustration**



**Connection diagram**

