

UR20-FBC-PN-IRT-V2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image, 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, PROFINET IRT
Order No.	2566380000
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
Mounting dimension - height	128 mm	Net weight	247 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 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		
Restricted area	Type of restricted area	Positive expansion	thermal
			Y coordinate
	X coordinate		83.5 mm
	Z coordinate	85 mm	
	Negative expansion	Y coordinate	-40 mm
		X coordinate	-28 mm
Z coordinate		0 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 _{IN} (power segment of the field bus coupler), typ.	100 mA		
Current consumption from I _{IN} (power segment of the fieldbus coupler), typ.	nominal	100 mA	
	min.	100 mA	
	max.	100 mA	

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Feed current for I _{IN} (input current path)	min.	10,000 mA
	nominal	10,000 mA
	max.	10,000 mA
Feed current for I _{IN} (input current path) , max.	10 A	
Feed current for I _{OUT} (output current path)	nominal	10,000 mA
	max.	10,000 mA
	min.	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	2 x 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
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

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ROHS	Conform
UL File Number Search	E141197

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	Declaration of Conformity RINA certificate
Engineering Data	Siemens - Step 7 Siemens - TIA Portal
Product Change Notification	Release-Notes - GSDML Release-Notes - Firmware and Supported modules list
Software	Language Pack UR20_FBC Current Firmware file PROFINET V2 coupler Current GSDML file PROFINET V2 coupler USB driver CPD-Tool (PROFIsafe_parameter-checksum-generator) Archiv Firmware files Profinet-IRT coupler HW2 Archiv GSDML files Profinet-IRT coupler HW2
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN MAN_U-REMOTE_FS_DE MAN_U-REMOTE_FS_EN MAN_UR20_WEBSERVER_DE MAN_UR20_WEBSERVER_EN