

## UR20-FBC-CC

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

### Product image



### 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, CC-Link
Order No.	<a href="#">2625010000</a>
Type	UR20-FBC-CC
GTIN (EAN)	4050118630657
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	320 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	SCIP	98e19a7e-033b-4e68-93e3-c47b30de875e
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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	Positive expansion	X coordinate	83.5 mm
		Y coordinate	160 mm
		Z coordinate	85 mm
	Negative expansion	Z coordinate	0 mm
		Y coordinate	-40 mm
		X coordinate	-28 mm
Type of restricted area	thermal		
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.	85 mA	
Feed current for I <sub>IN</sub> (input current path)	max.	10,000
	min.	10,000
	nominal	10,000

Creation date September 18, 2022 12:58:21 AM CEST

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## Technical data

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

Feed current for $I_{OUT}$ (output current path)	nominal	10,000
	max.	10,000
	min.	10,000

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	Socket for 5-pole PCB plug-in connector
Diagnostic data	3,008 Byte	Field bus protocol	CC-Link
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	4 kByte	Process data	512 Byte
Transmission rate of field bus, max.	10 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



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="#">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="#">Compatibility information – Combinability of UR20</a> <a href="#">Compatibility information – Release-Notes - Firmware and Supported modules list</a>
Engineering Data	<a href="#">EPLAN</a>
Product Change Notification	<a href="#">FBC_CC_CSP_Release-Notes_2625010000</a>
Software	<a href="#">Device description – Current CSP file CC-LINK coupler</a> <a href="#">Firmware – Firmware CC-LINK</a> <a href="#">Firmware – Achive-Firmware_CC-LINK</a> <a href="#">Device description – Archive-CSP_CC-LINK</a>
User Documentation	<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>

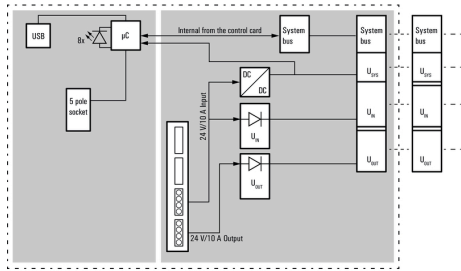
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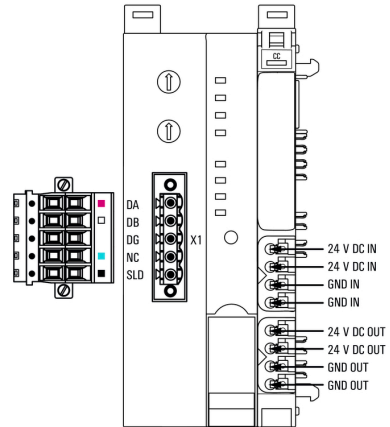
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**Drawings**

**Block diagram**



**Connection diagram**



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