

UR20-FBC-CC

Weidmüller Interfaces GmbH & Co. KG

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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.	2625010000
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
Operating temperature, min.	-20 °C	Operating temperature, max.	60 °C

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

Creation date March 2, 2023 4:34:28 PM CET

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Technical data

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

Environmental Product Compliance

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

Approvals

Approvals



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

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Downloads

Approval/Certificate/Document of Conformity	RINA certificate Bureau Veritas - Type Approval Certificate DEMKO15ATEX1525X CCC certificate UKCA Declaration of Conformity - EN CE Declaration of Conformity - DE	
Engineering Data	Compatibility information – Combinability of UR20 Compatibility information – Release-Notes - Firmware, CSP and Supported modules list	
Software	Library and function block – Language Pack UR20_FBC Device description – Current CSP file CC-LINK coupler Firmware – Firmware CC-LINK Firmware – Achive-Firmware CC-LINK Device description – Archive-CSP_CC-LINK Application notes – Use of UR20 Stations above 2000m sea level	
User Documentation	MAN UR20 WEBSERVER_DE MAN UR20 WEBSERVER_EN 20211018 Security Advisory – Remote I/O fieldbus couplers (IP20) affected by INFRA:HALT vulnerabilities	
Catalogues	Catalogues in PDF-format	

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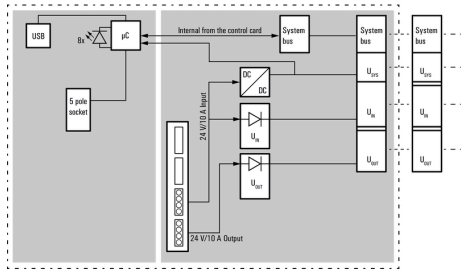
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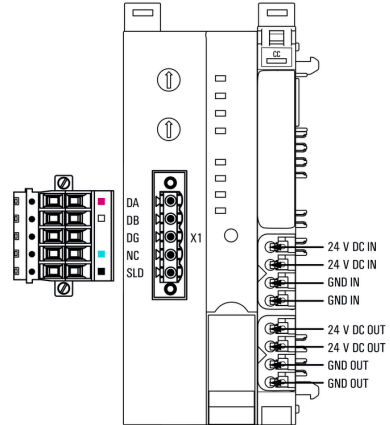
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Drawings

Block diagram



Connection diagram info@weidmueller.com



Explanation of abbreviations

Field bus coupler

