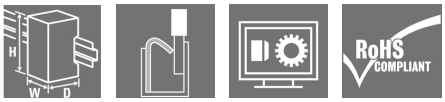
UR20-FBC-CAN

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

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, CANopen
Order No.	1334890000
Type	UR20-FBC-CAN
GTIN (EAN)	4050118138313
Qty.	1 pc(s).
Replacement parts	2003530000

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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	220 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 mm²
Wire connection cross section, finely stranded, min.	0.14 mm²	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 mm²
Wire cross-section, solid, max. (AWG)	AWG 16	Wire cross-section, solid, min.	0.14 mm²
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)	nominal	10,000 mA
	max.	10,000 mA
	min.	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
	min.	10,000 mA
	max.	10,000 mA
Feed current for I_{OUT} (output current path) , max.	10 A	
Feed current for the system, max.	4 A	

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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	SUB-D9 (male plug)
Diagnostic data	244 Byte	Field bus protocol	CANopen
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	244 Byte	Process data	488 Byte
Transmission rate of field bus, max.	1 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

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

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Downloads

Approval/Certificate/Document of Conformity	Compass safe distance certificate Lloyds Register certificate DNV/GL certificate ABS certificate RINA certificate Bureau Veritas - Type Approval Certificate PRS (Polish Register of Shipping) NIPPON KAIJI KYOKAI Certificate DEMKO15ATEX1525X CCC certificate UKCA Declaration of Conformity - EN CE Declaration of Conformity - DE
Engineering Data	CAD data – STEP Library and function block – Beckhoff TwinCAT3 - EN - V1.1.0 Compatibility information – Combinability of UR20
Engineering Data	WSCAD, Zuken E3.S
Product Change Notification	Release-Notes - Firmware, EDS and Supported modules list
Software	Firmware – Application_Note_Firmwareupdate_UR20_coupler_EN Firmware – Application_Note_Firmwareupdate_UR20_coupler_DE Library and function block – Language_Pack_UR20_FBC Firmware – Archiv Firmware files CAN coupler Firmware – Current Firmware file CAN coupler Device description – Archiv EDS files CAN coupler Device description – Current EDS file CAN coupler Driver – USB driver Application notes – Use of UR20 Stations above 2000m sea level
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN 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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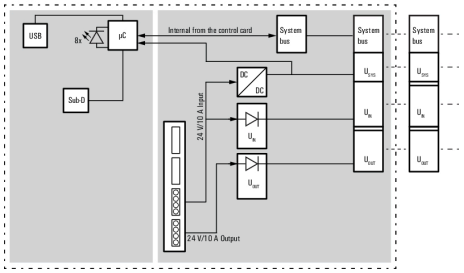
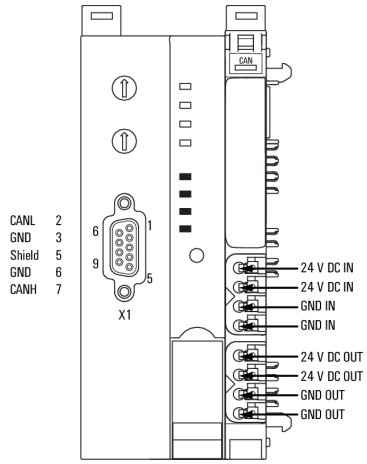
Drawings

Block diagram



Connection diagram



Explanation of abbreviations