

UR20-FBC-DN

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, DeviceNet
Order No.	1334900000
Type	UR20-FBC-DN
GTIN (EAN)	4050118138252
Qty.	1 pc(s).
Replacement parts	2003540000

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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
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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	Positive expansion	Y coordinate	160 mm	
		Z coordinate	85 mm	
		X coordinate	83.5 mm	
	Negative expansion	Type of restricted area	thermal	
		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 _{sys} , typ.	75 mA (+15 mA from DeviceNet supply)		
Feed current for I _{IN} (input current path)	min.	10,000 mA	
	max.	10,000 mA	
	nominal	10,000 mA	

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

Feed current for I_{OUT} (output current path)	min.	10,000 mA
	max.	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	Socket for 5-pole PCB plug-in connector
Diagnostic data	3,008 Byte	Field bus protocol	DeviceNet
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	4 kByte	Process data	1,008 Byte
Transmission rate of field bus, max.	500 kbit/s	Transmission speed of system bus, max.	48 Mbit/s
max. number of modules	64 ST		

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

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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 DEMKO15ATEX1525X CCC certificate
Engineering Data	Library and function block – Beckhoff TwinCAT3 - EN - V1.1.0 Compatibility information – Combinability of UR20
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Product Change Notification	Release-Notes - EDS Release-Notes - Firmware 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 DeviceNet coupler Firmware – Current Firmware file DeviceNet coupler Device description – Archiv EDS files DeviceNet coupler Device description – Current EDS file DeviceNet coupler (generic) Device description – Current EDS file DeviceNet coupler (modular) Driver – USB driver
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN MAN_UR20_WEBSERVER_DE MAN_UR20_WEBSERVER_EN 211018 Security Advisory Remote IO fieldbus couplers IP20 affected by INFRA HALT vulnerabilities
Catalogues	Catalogues in PDF-format

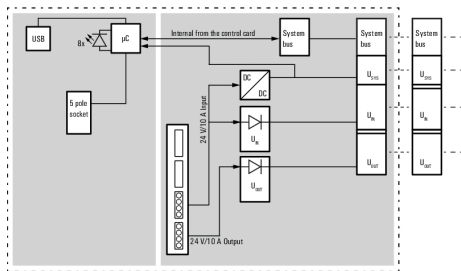
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Drawings

Block diagram



Connection diagram

