

UR20-FBC-EC-ECO

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, Ethernet, EtherCAT
Order No.	2659690000
Type	UR20-FBC-EC-ECO
GTIN (EAN)	4050118674064
Qty.	1 pc(s).
Replacement parts	2702600000

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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
Net weight	247 g		

Temperatures

Storage temperature	-40 °C ... +85 °C	Operating temperature	0 °C ... +50 °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 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		
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 _{sys} , typ.	80 mA		
Feed current for I _{IN} (input current path)	max.	10,000 mA	
	min.	10,000	
	nominal	10,000	

Creation date September 18, 2022 1:16:37 AM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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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 the system, max. 4 A

Supply voltage system and inputs 24 V DC +20 %/ -15 %

Voltage supply 24 V DC +20 %/ -15 %, via the system bus

System data

Connection type	2x RJ45 plug-in connectors	Diagnostic data	800 Byte
Field bus protocol	EtherCAT	Interface	u-remote system bus
Module type	Bus coupler	Parameter data	1,024 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	16

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



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

Downloads

Approval/Certificate/Document of Conformity	CCC certificate
Engineering Data	Compatibility information – Combinability of UR20 CAD data – STEP Quick start guide – Connecting u-remote UR20 via EtherCAT Application notes – UR20-FBC-EC Application Note for Integration of UR20 EtherCAT in CODESYS Compatibility information – Release-Notes - Firmware and Supported modules list
Software	Firmware – Current Firmware file EtherCAT ECO coupler Archive Firmware file EtherCAT ECO coupler Current ESI file EtherCAT ECO coupler Archive-ESI_ETHERCAT-ECO coupler
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN 20211018 Security Advisory – Remote I/O fieldbus couplers (IP20) affected by INFRA:HALT vulnerabilities
Catalogues	Catalogues in PDF-format

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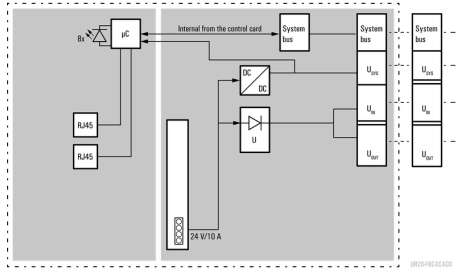
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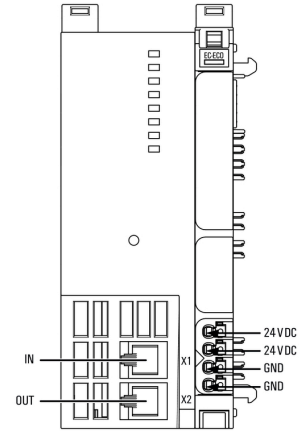
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Drawings

Block diagram



Connection diagram



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