

UR20-FBC-PN-ECO**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, PROFINET RT
Order No.	2659680000
Type	UR20-FBC-PN-ECO
GTIN (EAN)	4050118674057
Qty.	1 pc(s).
Replacement parts	2702590000

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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
Operating temperature, min.	0 °C	Operating temperature, max.	50 °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
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.	80 mA
Feed current for I _{IN} (input current path)	nominal 10,000 mA
	min. 10,000 mA
	max. 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
	max. 10,000 mA
	min. 10,000 mA
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

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System data

Configuration interface	Micro USB 2.0	Connection type	2x RJ45 plug-in connectors
Diagnostic data	1,408 Byte	Fast Startup	Yes
Fast Startup Time, max.	500 ms	Field bus protocol	PROFINET RT
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	4,362 kByte	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

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

Downloads

Approval/Certificate/Document of Conformity	CCC certificate UKCA Declaration of Conformity - EN CE Declaration of Conformity - DE
Engineering Data	Compatibility information – Combinability of UR20 CAD data – STEP
Product Change Notification	Release Notes - Firmware, GSDML and Supported modules list
Software	Library and function block – Language Pack UR20_FBC Firmware – Current Firmware file PROFINET ECO coupler Device description – Current GSDML file PROFINET ECO coupler Firmware – Archiv Firmware files PROFINET-ECO coupler Device description – Archive-GSDML PROFINET-ECO coupler Application notes – Use of UR20 Stations above 2000m sea level
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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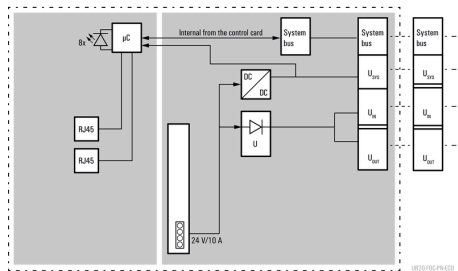
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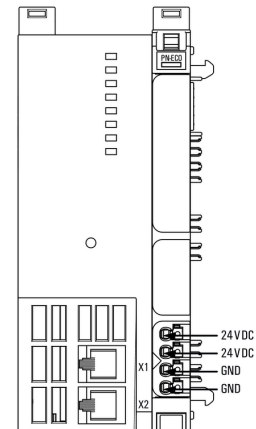
Drawings

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Block diagram



Connection diagram



Explanation of abbreviations

Field bus coupler ECO

