

UR20-FBC-PN-ECO**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

**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, and 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 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.

Our products boost the availability of your machines and systems, and ensure smooth processes, 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

UR20-FBC-PN-ECO

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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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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), max.	10 A
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

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	Profinet system redundancy S2 available	No
Transmission rate of field bus, max.	100 Mbit/s	Transmission speed of system bus, max.	48 Mbit/s
Type of redundancy protocol	MRP	max. number of modules	16

Classifications

ETIM 6.0	EC001603	ETIM 7.0	EC001603
ETIM 8.0	EC001603	ETIM 9.0	EC001603
ETIM 10.0	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
ECLASS 13.0	27-24-26-07	ECLASS 14.0	27-24-26-07
ECLASS 15.0	27-24-26-07		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	98e19a7e-033b-4e68-93e3-c47b30de875e

Important note

Product information	The matching end brackets are included with the coupler.
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Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319245/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

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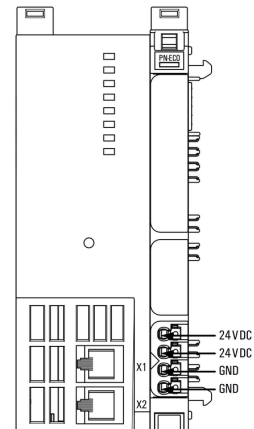
www.weidmueller.com**Technical data****Downloads**

Approval/Certificate/Document of Conformity	KC 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
User Documentation	Handbuch u-remote DE Manual u-remote EN 20211018 Security Advisory – Remote I/O fieldbus couplers (IP20) affected by INFRA:HALT vulnerabilities Security Data Sheet u-remote FB Coupler V1.0 Application notes – Industrial Product Security Guideline
Catalogues	Catalogues in PDF-format

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Drawings

Connection diagram



Example

UR20 – FBC – PN – ECO

u-remote → UR20
IP protection → FBC
Field bus coupler → PN
PN = PROFINET RT
EC = EtherCAT
MOD-TCP = ModbusTCP
EIP = EtherNet/IP
Economy line → ECO