

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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, Modbus/TCP
Order No.	2659700000
Type	UR20-FBC-MOD-TCP-ECO
GTIN (EAN)	4050118674071
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	247 g
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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
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Connection data

Type of connection	PUSH IN	Wire cross-section, finely stranded, max. (AWG)	AWG 16
Wire cross-section, finely stranded, min. (AWG)	AWG 26	Wire cross-section, solid, max. (AWG)	AWG 16
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	Y coordinate	160 mm
		X coordinate	83.5 mm
		Z coordinate	85 mm
	Negative expansion	Y coordinate	-40 mm
		Z coordinate	0 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		
Test voltage	500 V		
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 _{IN} (power segment of the fieldbus coupler), typ.	min.	80 mA
	max.	80 mA
	nominal	80 mA
Feed current for I _{IN} (input current path)	min.	10,000 mA
	max.	10,000 mA
	nominal	10,000 mA
Feed current for I _{IN} (input current path), max.	10 A	
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	

Creation date April 16, 2021 7:34:34 AM CEST

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Technical data

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

Diagnostic data	1 kByte	Field bus protocol	Modbus/TCP
Fieldbus interface	Full / Half Duplex, Auto MDI/X, Autonegotiation	Interface	u-remote system bus
Module type	Bus coupler	Parameter data	1 kByte
Process data	1 kByte	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
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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Engineering Data	STEP
Software	Current firmware file Modbus TCP ECO coupler
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN
Brochure/Catalogue	Catalogues in PDF-format