

Automation Products - u-remote IP20 UR20-FBC-MOD-TCP-V2

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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, 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

Type	UR20-FBC-MOD-TCP-V2
Order No.	2476450000
Version	Remote I/O fieldbus coupler, IP20, Ethernet, Modbus/TCP
GTIN (EAN)	4050118487367

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Technical data

Dimensions and weights

Width	52 mm	Width (inches)	2.047 inch
Height	120 mm	Height (inches)	4.724 inch
Depth	76 mm	Depth (inches)	2.992 inch
Mounting dimension - height	128 mm	Net weight	316 g

Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-20 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-20 °C ... +60 °C	Storage temperature	-40 °C ... +85 °C

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

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	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 _{IN} (power segment of the field bus coupler), typ.	112 mA	Feed current for I _{IN} (input current path), max.	10 A
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		

Creation date 21 March 2019 16:00:10 CET

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System data

Configuration interface	Micro USB 2.0	Connection type	2 x RJ45 plug-in connectors
Diagnostic data	1,024 Byte	Field bus protocol	Modbus/TCP
Fieldbus interface	Full / Half Duplex, Auto MDI/X, Autonegotiation	Galvanic isolation	Yes, between field and system bus
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	1,024 Byte	Process data	8 kByte
Transmission speed of system bus, max.	48 Mbit/s	max. number of modules	64

Classifications

ETIM 6.0	EC001603	eClass 6.2	27-24-26-10
eClass 9.0	27-24-26-07	eClass 9.1	27-24-26-08

Product information

Descriptive text ordering data	A termination kit (UR20-EBK-ACC) is included in the coupler package
Instructions for accessories	1 roll = 1000 label = 1 Qty. 1 sheet = 60 label = 1 Qty.

Approvals

Approvals



ROHS	Conform
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Downloads

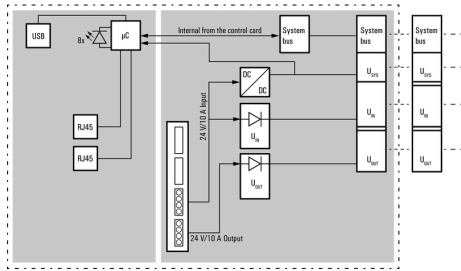
Approval/Certificate/Document of Conformity	Declaration of Conformity Compass safe distance certificate Lloyds Register certificate DNV/GL certificate ABS certificate RINA certificate
Engineering Data	STEP STEP
Product Change Notification	Release-Notes - Firmware
Software	Archiv Firmware files Modbus V2 coupler Current Firmware file Modbus V2 coupler
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN

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Drawings

Block diagram



Connection diagram

